ILIFFE TRANSPORT PUBLICATIONS LTD., DORSET HOUSE, STAMFORD STREET, LONDON SE1

FLIGHT International

UNIV. OF UTAH
ENGINEERING LIBRARY

Official Organ of the Royal Aero Club. First Aeronautical Weekly in the World: Founded January 1909

INDEX TO VOLUME LXXXI

JANUARY TO JUNE 1962

A

ABC *World Airways Guide*, computers used for compilation of new edition, 501
AEI Lamp & Lighting Co. BEA maintenance area lamps at LAP (photo), 390
AICMA, SBAC and Eurospace join, 154; general assembly report, 960
AS.30, RAF to purchase, 223; further details, 538; ordered, 714
Accidents; British Independents accident list 1958-1962, 773
—, light aircraft (Leader), 193; D. C. Perch's notes on, 254
— —, questions in Commons, 407
— March 1-15 (table), 425
—, 1961 (table), 30
—, summary of accidents (four tables), 929
—, US, 1961 figures, 124
ACCIDENTS:
Aerovias Venezolanas Friendship at Margarita, 348
Air America crash near Vientiane, 645
Air France Boeing 707 at Guadeloupe, 997
— — Boeing 707 crash at Orly, 888
American Airlines Boeing 707-123 at New York International, 349; further details, 387; flight recorder recovered (photo), 426; rudder bolt loss ruled as possible cause (photo), 965; bolt theory discounted, 999
Ansett-ANA Viscount crash, turbulence found to be cause of, 999
Avispa DC-3 lost on flight, 708
BEA Comet at Ankara, 28; statement on, 159
BOAC Boeing 707 (December 1960) accident at Heathrow, report published, 744
Boliviana de Fomento C-46 near Caranavi, 389
Caledonian Airways DC-7C in Cameroons, 347; further details, 387
Cessna 310 at Luxembourg, 77
Continental Air Lines Boeing 707 crash at Centreville, 847; possible sabotage, 888; sabotage confirmed, 998
Cruzeiro do Sul aircraft (unidentified) at Vitoria, 816
Cubana Il-14 off Cuba, 506
Cunard Eagle Viking at Stavanger (August 1961), report due, 85
Darbhanga Aviation DC-3 crash between Bagdogra and Calcutta, 888
EAAC Argonaut at Nairobi, 606
East Anglian Flying Services DC-3 crash near Ventnor, I.o.W., 748; further details, 773
Eastern Provincial Catalina crash at Godthaab, 816
Electra (Oct. 1960) crash cause, 743
Ethiopian Airlines DC-3 at Tippi, 124
Faucett DC-3 near Lima, 239
Flying Tiger Constellation between Guam and Manila, 470
Imperial Airways Constellation (November 1961), CAB report, 238
Lockheed U-2, 39
Northwest Electra crash, damages awarded, 999
Pan American Boeing 707 landing incident at Manila, 748
SAM DC-6B near Avezzano, 389
Sabena Boeing 707 (1961), damages filed against airline, 277; damage suits against Boeing, 320
South African Airways DC-3, 389
Swissair Caravelle landing incident, 708
TCA Vanguard landing incident at Antigua, 544
Transair Sweden AB DC-6B (carrying Mr Hammarskjold), commission of enquiry announced 85; opens, 122; report, 200; verdict, 232; further details, 272
Turk Hava Yollari Friendship near Mount Medetsiz, 389
United Airlines DC-8 blamed for TWA Super Constellation collision over New York, 1001
UAA DC-3 at Cairo, 816
— Viscount near Wadi Halfa, 506
USAF RB-66C Chelveston, 234
Victor B.2 near Newark, 463
Accles & Pollock Ltd, 60th anniversary, 266
Aden Airways/EAAC pool agreement, 74
— —, 748s cancelled, 846
Aden Services Gliding and Soaring Club, Swallow and Tutor acquired, 180
Admiralty, Williams, Capt D.A., appointed director-general aircraft, 808
Adria Airways, new Jugoslav airline, 29
Advent, illus desc of project, 106; ground antennas for (photo), 222
Aer Lingus, Allamand, E. W, appointment (photo), 277
— —/BKS pool revoked, 239
— —, Caravelle order postponed by Government, 506
— —, Donohue, A, appointment (photo), 74
— —, McKeever, Dermot, appointment, 748
— —, trainee pilots for AST School (photo), 85
— —, UK-Ireland traffic, comment on competition with BEA, 199
Aerlinte Eireann, Boeing 720s' Atlantic load factor, 33
Aero Commander Inc, warranty extended on all aircraft sold, 99
— — 680F, USA-Australia flight, paperwork involved, 25
— — Model 1121 Jet Commander, orders for (photo), 181
Aero Transport Flugbetriebs GmbH/Austria Flugdienst, possible merger imminent, 965
Aerocontacts (Aircraft Distributors) Ltd expansion, 634
Aerodrome Owners' Association, annual dinner, 316
Aeroflot, director-general's statement on, 124
—, Il-18 for service to Antarctica (photo), 27; further details (photo), 72
—, Moravas (photo), 318
— passenger statistics, 349
—/SAS talks adjourned, 349
— speaker for Air-Britain, 313; report on lecture, 772
Aerojet-General Corporation, M-1 engine for Nova, 222
— — — motor fired (photo), 412
— — —, to build engine for Apollo spacecraft, 873
— — —, vice-president appointed, 230
Aerolineas Argentinas Avro 748, first delivered (photo), 76; details, 122; photo, 177
— —, Caravelle, first handed over, 162
— —, Comet 4C, further order reported, 278; confirmed, 387; seventh delivered (photo), 746
Aeuronautics ceases publication (Leader), 343
Aeronutronic Division of Ford Motor Co, air-cushion vehicle details, 922
— — — — — —, Lawson, John B, appointed general manager of Newport Beach division, 920
— — — — — —, Shillelagh guided weapon (photo), 953
Aeroplane & Armament Experimental Establishment, annual guest night, 233
— — — — —, Service and Ministry officials visit (photo), 995
Aeroplanes, vulnerability to missiles, 411
Aerovias Venezolanas Friendship crash at Margarita, 348
Agathe, test firings, 528
Agricultural aviation in New Zealand (illus article), 620
— Aviation Conference, second international announced, 463
Air Afrique, international jet services, 162; IATA membership announced, 999; DC-6 (photo), 1001
Air-Britain, Aeroflot speaker, 313; report, 772
— cadet exchange arranged, 227
— Ceylon, annual report, 999
— —/BOAC pool agreement, 386; denied, 643
— —, services to resume, 242
— Council Award to Inventors for Sqn Ldr J. C. Dixon, 264
— Cushion Development Ltd, first trials of ACD-1 carried out, 994
— — Vehicles, Commons debate on road rules, 922
— Estimates, over-spending criticized, 344; debated, 420; Lords debate, 535
— France, Boeing 707 crash at Guadeloupe, 997
— —, — — — — Orly, 888
— — Caravelle fleet, total flying hours, 606
— — DC-3s modernized, 858
Air-India/BEA, combined air service, 708
— —, Boeing 707 to fly Bombay-Moscow route, 278
— —, Comet chartered from BOAC under pool agreement, 118
— —/PanAm/TWA agreement, 506
— Inter, Viscount 708s acquired, 389; photo, 604
— Law, post-war international scene, 768
— League of the British Empire, Founder's Medal awarded to CFS, Little Rissington, 4
— — — — — — to erect R.34 memorial at London Airport, 811
— Links, progress report, 504
— Minister, Folland visit (photo), 674
— —, Hunter T.7 flight (photo), 632
— —, RAF missile equipment, comments on, 309
— —, US and Canada visit, 60; Skybolt model presented to (photo), 155; visits Skybolt production line (photo), 223
— Ministry, aircrew recruiting, statement on, 146
— —, BEA aircrew fatigue study due, 69; further details, 84
— —, Baker-Carr, AVM J. D., appointment, 60
— —, Burwell, Air Cdre R. H. C., appointment, 146
— —, Edwards, Air Cdre H. I., appointment, 146
— —, Foxley-Norris, Air Cdre C. N., appointment, 192
— —, ground training Directorate-General formed, 36
— —, Johnstone, Air Cdre A. V. R., appointment, 146
— —, Powell, Air Cdre A. G., appointment, 338
— Navigation & Trading Co DH.84 Dragon, Peter Masefield buys (photo), 160; further details, 242
— Registration Board, Dove fatigue life, 930
— — —, Hardingham, R. E., and Walter Tye, Frank Beswick interviews (photo), 331
— — —, Notices issued, 124
— Research Bureau, European traffic trends, 544; further details, 746; traffic trends in first quarter of 1962, 965
— — —, study of jet operating costs, 748
— Safaris, in the hands of Official Receiver as liquidator, 274
— Safety, White Paper on (tables), 641
— Touring Club, Super Rallye acquired, 631
— traffic control, British plan (illus article), 283
— — 1961, ICAO report, 605

— — Services (New Zealand), L'Estrange, C. H. N., recruiting in UK, 708
— — January-June 1961, 768
— Training Corps, Easter camp details, 309
— — —, Pressed Steel Co to form squadrons at factories, 368
— — —, 21st anniversary, 192; rally announced, 632
— Transport Association, airport pricing study published, 277
— — —, US non-scheduled carriers criticized, 118
— — —, — traffic in 1961, 27
— — Licensing Board, advertising regulations governing IT services, 774
— — — —, appeal case hearing, 815, 855, 915, 931, 966
— — — —, appeals to be made, 31; further details, 467
— — — —, BEA appeal against independents' routes announced, 429; brief report, 603; further details, 639
— — — —, — files no-show proposals, 505
— — — —, —, night mail services, BR appeal announced, details, 122; further details, 203; report of appeal, 319
— — — —, BKS apply for suspension of some scheduled services, 428
— — — —, BOAC appeal against Caledonian's licence, 885
— — — —, — granted variations of African route licences, 85
— — — —, BUA granted London-Lagos licence, 33
— — — —, Channel Air Bridge granted increase in Switzerland services, 470
— — — —, Channel Airways Bristol-Cork-Jersey application granted, 774
— — — —, comparison with policy of CAB, 889
— — — —, Cunard and Skyways apply for scheduled IT services, 274
— — — —, Dan-Air application for licence extension, 748
— — — —, Derby Aviation applies for IT schedule services, 506
— — — —, East Anglian Flying service apply for Liverpool-Dublin vehicle ferry, 320
— — — —, Euravia's applications, 349; decisions, 470
— — — —, Executive Air Transport granted domestic service, 162
— — — —, hovercraft service applications withdrawn by Skyways, 816
— — — —, IT applications to be heard, 348; deadline announced for applications, 389
— — — —, — decisions published, 79
— — — —, — flights by foreign airlines, 163; further details, 237; Minister questioned, 350; MoA statistics (table), 816; further details, 822
— — — —, Leader, 677
— — — —, passengers' right to complain to, 470
— — — —, requirement for travel agents to advertise name of operator, 162
— — — —, Starways Leeds and Newcastle applications refused, 543
— — — —, — Liverpool-Lagos licence refused, 85
— — — —, Summer 1963 IT applications, 888
— — — —, traffic rights muddle, Leader, 809
— — — —, Tradair IT applications heard, 467
— Union, future of, 119; KLM's decision on, 321; details of statistics, 706; further details, 886; Lords discuss, 964
Aircar Ltd, aviation insurance company formed, 33
Aircraft Components Inc, Federal-ITT auto-pilot, details and photo, 229
— Exchange to cease operations, 429
— Ground Equipment Ltd, new mobile power rig, 880
— industry debate, 489; Leader, 461
— -Marine Products (Gt. Britain) Ltd, Blythe, E. J., appointment, 35
— Marine Products (Gt. Britain) Ltd, sales manager's US visit, 634
Aircraft Production, ultra-high-tensile steel issue announced, 596
— Recognition Society, All-England contest announced, 77; results, 115
— Research Association Ltd, Burroughes, Hugh, retirement (photo), 765
Airfix Products Ltd, Halifax model interests HP technical director (photo), 3
Airline profile, 10, 204, 243, 709, 817, 859
— survey (illus review), 545
—traffic 1961 (tables), 586
Airliner Market Place, 73, 746
Airlines, British, 1961 traffic, 603
Airmail stamp, Rhodesian (photo), 353
— stamps, sale of, 346
Airnautic, DC-6s acquired, 389
Airport Services, Economic Principles for Pricing, published, 277
Airports, Britain's busiest (table), 506; Britain's top ten (table), 772
—, London, progress report on improvements, 390
—, Los Angeles International is world's busiest (table), 506
—, MoA accounts 1960-61, 27; further details, 31
Airscrew-Weyroc Ltd, materials used in BOAC's London terminal, 405
— — —, new name for Airscrew Co & Jicwood Ltd, 150
Airship R.34, memorial to be erected at London Airport, 811
Airtech Ltd, Blackwell, C. E., made works manager, 807
— —, running gear, 843
— —, Radar Relay Inc, manufacturing licence acquired, 459
Airwork Ltd, King Radio Corp distributors, 190
— Services Training School, Aer Lingus trainee pilots for (photo), 85
Alaska Coastal Airlines/Ellis merger, 239
Alcan Industries Ltd, appointments announced, 1034
Aldergrove, civil conversion begins, 389
Alitalia, Los Angeles traffic rights, actions to obtain, 69
—, presentation to BEA (photo), 354
All American Engineering Co, FAA award contract for tail hook test facility, 74
— Nippon Airways, Viscount 828 repeat order, 74
Allegheny Airlines, Convair 440s bought from Ansett-ANA, 930
— —, — 540s returned to Napier, 389; car rental company formed, 706
— —/Napier agreement for Eland Convairs, 645
Allied Air Forces Central Europe, air firing competition won by 92 Squadron, 1032
— — — — — (illus article), 397; new Chief of Staff (photo), 674
— — — — —, missile trophies awarded, 873
— — — — —, Sixth "Royal Flush" announced, 754; report, 844; photo, 874
— — — — —, Tactical Weapons Meet, new NATO competition, 982
Allison AR.168 and TFX, comment on, 269
— Division of General Motors, Aero 45A supersonic reel-launcher, details and photo, 460
— T56 heat exchanger, 270
— T56, increased power, 156
— 163 (illus desc), 251; progress report, 462; delivery details, 679
Amateur Photographer, Colour number announced, 500; Cine Guide announced, 722
American Airlines Boeing 707-123 crash at New York International, 349; further details, 387; flight recorder recovered (photo), 426; loss of tail bolt, possible cause (photo), 965
— —, — 720Bs, permission requested to trade-in for 727s, 74
— —, Convair 990, first delivered, 124
— —/Eastern merger, 124; implications of, 161; further details, 235; report to stockholders on, 503; stockholders approve, 708
— —, 1961 profit, 544
— —, 100 million passengers claim, 85
— —, possible Boeing 727 order cut, 888
— —, US air transport tax cut, 930
— Telephone & Telegraph Co, NASA contract, 412
Amphenol-Borg Ltd, Whitstable factory, 310
Amplivox Ltd, MoA contract, 190
— —, tropicalised tube telephone, details, 379
— —, Type 16400 headband set (photo), 35
Ansett-ANA, Convair 440s sold to Allegheny, 930
— —, jet order, speculations on, 274
— —, — plans, 645
— —, Victorian Air Coach Services DC-3 (photo), 276
— — Viscount crash, turbulence found to be cause, 999
— —, — to be purchased from Cubana, 85; further details, 239; price, 321
— Flying Boat Services Sandringham (photo), 318
Anticoustic Co, new portable intercom (photo), 718
Apollo, General Electric awarded contract, 305; three companies awarded contracts for guidance systems, 952
— mock-up (photos), 601; further photos, 666
Arcas, two launched for Scout 8 test, 305
Armstrong Whitworth Argosy (see under Whitworth Gloster)
— — — (Imperial Airways), metal registration plate discovered (photos), 469
— — Equipment, overseas sales rights for Penny and Giles accident data recorders, 843
— — Flying Group Proctor (photo), 592
Army Air Corps, pilot rescued from Malayan Jungle, 532
— — —, Beagle-Wallis WA.116 for, 156
— — —, Exercise Life Line, details, 60; illus report, 147; further photo, 146
Ashib, one-day course announced, 346
Associated Electrical Industries Ltd, volumetric radar available for civil use (photo), 404
Associated Iliffe Press Ltd, photographer wanted, 314
Association of British Aero Clubs and Centres, annual dinner, 306
— — — — — — — —, a.g.m. report, 215
Association of British Travel Agents, ITX holiday fare proposal placed before IATA, 203
Atlas Agena, second mystery satellite launch by, 6
—, fifth squadron commissioned, 66
—, illus desc (cutaway drg), 89; Part 2, 175
— Express, cargo depot opened in Nottingham, 85
Atomic Energy Authority, UK, beryllium no longer to be used, 156
Audenshaw Periodicals Service, magazines wanted, 996
Australia, Bury, Leslie, new Minister for Air (photo), 264
—, Department of Civil Aviation's first annual report, 198
—, light aircraft boom, 128
—, — — competition, 592
Australian Army Bell 47G-2 (photo), 227
— Department of Civil Aviation, all Ansons grounded, 999
Austria, Silver City DC-3 conducts calibration checks at Salzburg, 277
— Flugdienst/Aero Transport Flugbetriebs GmbH, possible merger imminent, 965
Austrian State Department of Survey Twin Pioneer (photo), 122
Auto Diesels Ltd, ground equipment for Bristol T.188 (photo), 991
Auto-Products AB Ltd, Swedish runway tester, details, 109
Autocar, Spring Number announced, 346
—, vacancies in editorial artists department, 234
Automatic landing, progress report on (illus), 291
Automotive Products Group, Rippon, P.A, and B. W. Angel, appointments, 310
Autonetics, APN-114 to be fitted to Lockheed C-141, report, 806
—, Nadar 8 tape recorder (photo), 806
—, stability augmentation system tested, 806
Autoset (Production) Ltd, engine trolley, details and photo, 530
Avco Corporation/Lucas agreement, 154
— —/Ultra agreement, 405
Aviaco, Convair 240s bought from Varig, 239
Avian 2/180 Gyroplane, details and photo, 765
Aviation Promotion Ltd formed by Air Safaris, 544
— Traders (Engineering) Ltd, new factory buildings, 380
— — Carvair, C of A granted (photo), 198
— — —, Channel Airways order, 159
Avimo Ltd, Errington, George, appointment, 920
Avispa, DC-3 lost on flight, 708
Avro Ltd, apprenticeship prize giving, 992
— —, Blakelock, Leonard, appointment, 496
— —, Minister of Aviation visits (photo), 380
— Avian discovered in Sahara, 269
— 748, Aden Airways order cancelled, 846
— —, Aerolineas Argentinas receive first (photo), 76; photo, 117; details, 122
— —, Brazilian order reported, 85; further details, 122; confirmed, 420; photo, 888
— — (illus airtest), 328
— — progress report, 201
— — Series 2, tropical trials, 765
— 748MF, illus desc, 157; further details, 201; Martlesham Heath trials (illus article), 217; S & L, 174; RAF order, 312; Commons questions on, 535
— 778 details, 202
— Vulcan (photo feature), 514
— —, "improved version" report, 114
—Canada Ltd, name changed to Hawker Siddeley Canada Ltd, 762

B

BKS Air Transport Ltd, ATLB application for suspension of some scheduled services, 428
— — — —/Aer Lingus pool revoked, 239
— — — —, business carries on, 83; further details, 274; winding-up petition dismissed, 429; operations continue, 504
BMEWS Fylingdales model (photo), 105
BX Plastics Ltd, vinyl sheeting for Trident, 379
Baghdad International Airport project, details, 506
Bahamas Airways, illus article, 817
— —, possible Friendship order, 643
— —, Viscount engines to be overhauled by UAL, 389
Bahrein Airport (photos), 28
Bailey Cyclopter, details and photo, 865
Baker MB-1 Delta Kitten, brief details (photo), 26
Balloon, *The Sunday Telegraph*, African flights begin, 38; forced landing alarm, 269
Barden Corporation (UK) Ltd, details, 191
Bass Ltd, John, prefabricated clean-rooms, details and photo, 342
Battle of Britain "At Homes" announced, 368
— — — souvenir book, prizes offered for contributions, 309
Beagle Aircraft Ltd, subsidiary companies consolidated into, 764
—, Christchurch, negotiations to take over, 191
—, development costs, 679
—, DH.84 purchased, 160; further details, 242
—, Christchurch take-over, statement on, 463; project dropped, 637
—, Jolley, M. J. D., appointment (photo), 718
—, King Radio Corp visited (photo), 634
—, MoA order two B.206 aircraft, 812
—, Mitchell, Lt Cdr Vyrell, appointment (photo), 718
—, prefabricated office block (photo), 109
—, Airedale and Terrier Series 2 demonstrated, 598
— Terrier 2, illus report, 935
— 206 interior (illus article), 134
— - Wallis WA.116 for Army, 156; photo, 923
Bedford, Bill (author), 281
Bedfordshire Air Centre expansion, 520
Beechcraft Queen Air (photo), 407
— Turboprop, first details (photo and drg), 846
Beezley, Mr Frederick, vindicated in Southall crash case, 29

Belgrade, new airport, 278; new terminal (photo), 768
Bell Aerosystem Co, FAA contract for automatic weather reporting machine, 595
— — Hydroskimmer, artist's impression, 155
— Helicopter Co H-13 drone supplied to USN, 529
— — —, helicopter flight system (illus desc), 108
— HU-1B Iroquois, photo, 847
— — —, records submitted, 679
Bendix Corporation/E-A Flight Automation agreement, 495
— DRA-12A Doppler, fitted to Comet 4Cs of United Arab Airlines, 806
Berlin air corridors, Soviet demands on, 232; further details, 268; Russians drop metal foil, 382
Bertin ground-effect vehicle (photo), 680
Beswick, Frank (author), 86, 209, 331, 472, 618, 857, 933
Biggin Hill, customs facilities, 520
Bi-Way British Labels Ltd, new baggage label (photo), 391
Birfield Industries Ltd, Hyde, F. B., retirement, 230
Birmingham Airport, improved facilities, 769
— —, joint enterprise with Coventry suggested, 745
Birthday Honours, The, first details, 883; further details, 932
Black Isle Air Services, state of, 274
— Knight, test launch, 750
Blackburn Aircraft Ltd, air cushion trawler project, 383
— — —, appointments (photos), 460
— — —, Danish and Norwegian air attachés visit (photo), 406
— — —, Gadd, J. J., retirement, 35
— — —, Laight, B. P., joins HSA, 233; presented with model of Buccaneer, 380
— — —, Lord Carrington visit (photos), 636
— — —, prizegiving (photo), 191
— Buccaneer, English Electric equipment for, 229
— — evaluation at Lossiemouth (illus article), 165
— — S.2, RN order, 38; Dowty and Boulton Paul equipment for, 77
— Electronics Ltd/Conway Electronic Enterprises/Franklin Electronics Inc agreement, 110
— — —, TRACE details, 149
Blackbushe Aero Club, progress report, 407; a.g.m., 592; fly-in announced, 691
Blind Landing Experimental Unit, Autoland research and development, details and photo, 378
Bloodhound evaluation, RAeS lecture on (illus report), 494
— 2, Swiss purchase contract signed, 65
Blue Steel, excess costs, 263
Blue Water, to enter service with British Army in 1965, 983
Boeing Co/General Dynamics TFX design (illus desc), 207; drg, 196; further details, 269
— — /Hunting agreement, details, 764
— —, market research into traffic growth, 316
— —, two new directors, 266
— B-17s on show at Bovingdon, 346
— KC-135 (photo), 78; 500th delivered to USAF (photo), 270
— KC-135B, French air force order announced, 994
— KC-135 tanker refuelling operation (illus article), 169
— 707/Comet 4, BOAC publish comparative operating costs, 82
— — "Dash Eighty" (photo), 425
— —, Lufthansa repeat order, 33
— —, Sabena accident (1961), damages filed against, 320
— 707-320B, first flight (photo), 273; high-lift modifications (photos), 315; FAA C of A awarded, 965
— — — for Pan American (photo), 163
— — —, UAA order, 124
— 707-320C, two ordered by World Airways, 816
— 707-420, Cunard's first delivery due, 277; photo, 464
— 727, American Airlines request permission to trade-in 720Bs for, 74
— — ordered by each of Big Four, 426
— —, powerplant configuration revised (photos), 39
— — production photo, 199; progress details, 428
— —, TWA order, 427
— —, United Air Lines representatives see mock-ups (photos), 319
— Vertol Chinook, US Army order, 116
— — — 107 certificated, 203; photo, 236
Boliviana de Fomento C-46 crash near Caranavi, 389
Bolkow Junior (illus. air test), 662
Bomarc, RCAF take over North Bay base, 223

BOOK REVIEWS:
Early Aeroplanes . . . 1907 to 1918 (Roy Cross), 722
Fifty Years of the Luftwaffe (Nowarra), 346
Flight Handbook, 218
Interavia ABC 1962 (Interavia) published, 956
Law of International Air Transport (Cheng) published, 320
Mechanical Handling Directory, 380
Metal Industry Handbook and Directory 1962, 596
Post-War International Civil Aviation Policy and the Law of the Air (Wassenbergh) published, 320
The Aeroplane Directory of British Aviation (Temple Press), 718
The Pen and the Air (illus review), 100
Trenchard, Man of Vision (Boyle), 808
Boulton Paul Aircraft Ltd, RN Buccaneer order, equipment for, 77
Bournemouth Flying Club opened, 98
Brabazon of Tara, Lord, London Heathrow VIP lounge, not allowed to use (S & L), 246; further comment (S & L), 322
Braniff Airlines, damages awarded for Electra crash, 708
— —, fifth Boeing 720 ordered, 965
— — /PanAm agreement, 748; London-Houston service announced, 999
Brantly helicopter in Britain, 313; air test (photos), 663; photo, 680
Brazil, consolidation of air transport, 71; further details, 277
Brazilian Air Force, Avro 748 order reported, 85; further details, 122; confirmed, 420; photo, 888
Breguet/McDonnell agreement, 960
— Atlantic, first flight of second prototype, 344
— —, prototype crash, 679
— — Mk 2, possible use by the RAF, 994
— Choucas (photo), 180
— 115 announced, 154
— 941, photo, 40; Hispano-Suiza flexible drive shaft for, details, 269
— 943/947 announced, 154
Bristol Aerojet Ltd, Ainsworth, Dr L., appointment, 115; photo, 191
— — —, Saunders, D. J., appointment, 115; photo, 191
— Aeroplane Co Ltd, a.g.m., 992
— — — —, — report, 812
— Aircraft Ltd, Knight, G. E., board appointment change, 35
— — — /Westland, Fairey chairman urges rejection of joint offer for, 2; revised offer refused, 195; further details, 234; £5.7m offer refused, 345
— Britannia for Transport Command (photo, interior), 483
— Freighter, statement on, 82
— 188, first flight (photos), 665; Leader, 635; illus desc (cutaway drg), 693; air-to-air photo, 995
— —, puddle welding technique, 637
— Siddeley Engines Ltd, BS.75 runs, details and photo, 314
— — — —, Fokker engineers visit (photo), 812
— — — —, Hall, Sir Arnold, returns from India (photo), 234
— — — —, high-temperature test-rig, 596
— — — —, Hooker, Dr S. G., elected Fellow of Royal Society (photo), 421
— — — —, Jamison, Dr R. R., to head Advanced Propulsion Research Group (photo), 115
— — — —, lift/thrust engines, details and graphs, 156
— — — —, Olympus family, progress report, 194
— — — —, — 22R in Vulcan test-bed (drg), 196; report of Dr Hooker's statement on, 218; photo, 535
— — — —, — 301, successful type-test, 344
— — — —, — 593, statement on, 114; supersonic airliner, reported powerplant, 721
— — — —, Orpheus flight research in Gnat, details and photo, 149
— — — —, — training unit for Luftwaffe (photo), 3
— — — —, paper issued on air-breathing boosters, 873
— — — —, Pegasus, small ground erosion element, 382
— — — —, Powertruc Co acquired (photo), 229
— — — —, Turbomeca visit, 536
— — — —, Viper ordered for Vespa-Jet, 382
— — — —, — 20, progress report, 116
— — — —, Whittle, Sir Frank, lays foundation stone of new office building (photo), 599
— — — —, Wilson, Gp Capt H. J., appointed sales manager of new small engines division (photo), 807
Britain's aircraft industry, January employment figures, 722
— — —, Lords debate on, 232; Leader, 231
— — —, commercial sales in America (illus article), Part 1, 357; Part 2, 392
— — —, planning and policy-making (illus article), 48
British Air Line Pilots Association, Follows, Denis, resigns, 544
— — — — —, new chairman elected, 606
— — — — —, protest over licence charges, 888
— — — — —, test pilots section membership, 389
— — — — —, 25th anniversary announced, 748 celebrated (photo), 813; further photo, 816
— Aircraft Corporation, annual report, 636
— — —, Caldecote, Lord, Lord Sempill Paper by, report, 535
— — —, Handasyde, R. C., appointment (photo), 464
— — —, PT.428 project, further development unlikely, 221
— — —, Quill, J. K., appointment (photo), 464
— — —/Sud supersonic airliner project, Bristol Siddeley statement on engine for, 114; FD.2 to be used for research, 269; programme outlined, 318; agreement imminent, 348; MoA statement, 505
— — —, variable-geometry aircraft contract, 462
— — — (A.T.) Ltd. formed, 104
— — — One-Eleven, Charles Butler interior design (photo), 385
— — — — —, fuselage panel jig (photo), 429; rear fuselage (photo), 542; progress report (photo), 720; fuselage panel (photo), 766; flight deck (photo), 769; further progress report (drg and photo), 821; wind tunnel model (photo), 999
— — — — —, comparison with Douglas Model 2086, details and drgs, 161
— — — — — interior (illus article), 129
— — — — —, production report (photo), 313
— — Users Association, pilots' forum at Shackleton Weekend, 598
— Aluminium Co Ltd/Kaiser Aluminium co-operation, 35

BRITISH EUROPEAN AIRWAYS:
ATLB, appeals to be lodged, 31
—, independents' routes appeal announced, 429; brief report, 603; further details, 639
Aer Lingus comment on competition on UK-Ireland route, 199
Air freight and Common Market conference (photo), 162
Aircrew fatigue, Air Ministry report on due, 69; further details, 84
/Air-India, combined air service, 708
Alitalia presentation to (photo), 354
Argosy at London Heathrow (photo), 71
— serviceability record, 389
—, third (photo), 29
/BOAC merger, S & L comment on possibility of, 174
Borrowing limits increased, 705
Breguet 941 inspected and flown by, 930
British United traffic diversion graph, 644
/BUA, Malaga pool agreement, 242
Budapest service withdrawal, Hungary criticizes, 321
Comet accident at Ankara, 28; statement on, 159
Comet 4B flight deck (photo), 633
Cost of electricians strike at London Heathrow, 816
/Cyprus Airways break-up denied, 604
Double-decker coaches for (photos), 33; baggage-loading boot (photo), 506
Douglas of Kirtleside, Lord, first flight in Trident (photos), 889
— — —, —, RAeS lecture, illus report, 32
— — —, —, visit to French monorail, 816
End of financial year, 705
Freight conference announced, 124
Hearn, Capt M. E., retirement (photo), 504
Helsinki service reopened, report and photos, 605
Herald 100, first delivered (photo), 68
— for royal tour, crews depart, 120; further details and photo, 194; photo, 200; itinerary, 236; Duke of Edinburgh at controls (photo), 320; Prince Philip sends telegram to Sir Frederick, 534; return (photo), 640
Last DC-3 leaves service (photo), 998
London-Glasgow air shuttle services possibility, 319; S & L, 403; S & L, 589; proposed system (table), 640; cheaper fares, report, 773
— — —/Belfast/Edinburgh night mail services, BR appeal announced, details, 122; further details, 203; report of appeal, 319; illus article on, 471
— Heathrow apron services staff, takeover begins, 320
— Heliport proposal, 74
— -Moscow route load factor, 928
Malaga Viscount service (photo), 466
Manchester Airport case lost, 28
Milward, A. H., message to staff, 123
1961-62 loss inevitable, 321
No-show fine proposals filed with ATLB, 505
Parliamentary inquiry into, 465
Princess Alexandra makes first flight in Herald (photo), 887
Scottish routes fleet (photo), 997
— social services reduced, 271; S & L, 403; further details (map), 467
Staff magazine contribution by managing director (S & L), 454
Stand at Stockholm (photo), 880
/TAP, change in relationship, 202
Technical Information Services display, details and photo, 276
Traffic figures for 1961, details and table, 123
Training centre at Heston (photo), 123
Trident delivery date, 236
—, Lord Douglas' comment on, 315
Vanguard, last delivered, 544
— taxying-lamp modification, 604
Vertol 107 plans unchanged, 645; requirement for, 930
Viscount 701s to be withdrawn from service, 816
British Executive Air Services Ltd, Air Centre formed at Denham, 536

——————, Brantley imported, 313
——————, Cessna 310 crash, 77
——————, details, 25
——————, Piper Colt (photo), 180
—Experimental B.E.2c propeller presented for Canadian museum exhibit (photo), 346
— Gliding Association, a.g.m. and ball announced, 180; a.g.m. report, 485
————awards, 407
————, Brett-Knowles, Lt Cdr R., appointment, 949
— Insulated Callender's Construction Co Ltd, aerial system for Anthorn (artist's impression), 529
——————NATO transmitting station contract, 310
— Interplanetary Society/RAeS joint symposium on economics of astronautics, report (tables), 303
————, space film programme, 305
————, — power symposium announced, 873; possible atomic-powered satellite (photo), 983
————, symposium for school-teachers, 372; further details, 751

BRITISH OVERSEAS AIRWAYS CORPORATION:
African route licences, ATLB permits variations, 85
/Air Ceylon pool agreement, 386; denied, 643
/BEA merger, S & L comment on possibility of, 174
Boeing 707 to be introduced on Eastern routes, 320
— 707-420, first of repeat order delivered, 348
Borrowing limits increased, 705
Britannia 102 sale, 645
— 312 freight conversion, possibility of, 347
Canadair CL-44s may be operated, report, 885
Capacity, excess, details and tables, 68; further details and tables, 117; analysis of BOAC statement (graphs), 197; Leader, 193
Cargo building for London Heathrow, 544
Comet braking expenditure curbed, 203; amendment, 239
— Hong Kong-Sydney service, 239
— service to Tripoli and Benghazi to be inaugurated, 320
— statistics, 708
— 4/Boeing 707, comparison of operating costs published, 82
— 4 chartered by Air-India under pool agreement, 118
——, first to reach 10,000hr, 506
—— non-stop service to Cairo, 203
Costs, Sir Basil Smallpeice's statement on, 271; reduction achieved, 424
/Cunard Eagle competition, 704
——, merger announced, Leader, 921; details, 925; Bermuda, Bahamas and Jamaica, monopolisation by, 964; Lord Douglas comments on, 997
Customs clearance agreement, 428
DC-7F (photo), 426; Brantly being unloaded (photo), 890
Electronic reservations system operating, 349
Flight recording technique, co-operation with NASA, 502
Frankfurt extension to Los Angeles-London service, 748
Glover, Trevor J., appointment, 33
Law suit filed against, 708
Linguists to receive proficiency allowance, 505
Load factor required to make a profit, 388
London Heathrow new passenger building, moving-in date, 278
London-Los Angeles non-stop needs, 930; VC10, longer range wanted, 961
Parliamentary inquiry into, 465
Public relations policy on loss (S & L), 23
Rance, Colin H., appointment (photo), 321
Rooibok Air Charters' challenge, 69
Slattery, Sir Matthew, statement by (S & L), 125
Smallpeice, Sir Basil, comment on financial year, 541
Staff magazine contribution by managing director (S & L), 454
To appeal against Caledonian's licence, 885
Travers, Capt F. Dudley, GAPAN award, 242
VC10 order reduced, 3; Sir Basil Smallpeice's comment in *Daily Mail*, 348; photo in BOAC colours, 423
Western services increase, 506
British Oxygen Aviation Services, Altair oxygen equipment (photo), 633
——Co Ltd, Carnegie, AVM D.V., retires, J. R. Bradford appointed (photos), 634
————, Cowley, Lt Gen Sir John G., appointment, 342
— Parachuting Association, Goodwood championship meeting announced, 486
— Railways, BEA night mail services, appeal announced, details, 122; further details, 203; report of appeal, 319
— Space Development Company, first-year report, 492; further details, 523

BRITISH UNITED AIRWAYS:
ATLB decisions, not to appeal against, 31
/BEA, Malaga pool agreement, 242
Britannia 313, further two added to fleet, 389
— interior, details and photo, 135
Herald executive version ordered, 424; further details, 470; executive Herald on lease delivered, 816
Hovercraft services, 386; starting date announced, 470; in BUA livery, 642; photo in airline markings, 885; terminal change, 959
IT firms, some not to use terminal, 429
Jersey Airlines bought by, 813
Laker, F. A., Frank Beswick interviews (photo), 470
London-Lagos licence granted, 33
New passenger terminal opened (photo), 705; further details (photo), 758
Omission from World Airline Survey, 708
Passenger statistics compared with other airlines, 849
Possible sale of Viscounts to LOT, report, 888
Rotterdam payload, 544
Seymour-Rouse, E. F., appointment (photo), 274
Silver City take-over, 158; Leader, 153
VC10 order, 424; specification details, 470
British Women Pilots Association, fly-in announced, 1031
————, nominations invited for awards, 180; awards, 804
Britool Ltd, new range of ring spanners, 406
——, Roughton, Gilbert, retirement, 718
Britten-Norman Ltd/White & Co Ltd, J. Samuel, Cushioncraft Ltd formed by, 114
——Cushioncraft CC-2, illus desc (cutaway drg), 823
Brooks (Leicester), T. J., new factory progress, 762
Brown Ltd, S. G., Gale, F. W. J., retires, R. G. McCoy to succeed, 531
Bulgarian Air Force MiG-17 lands in Italy, 114
Bullpup, more ordered by US Navy, 750
—, RN order reported, 258
Burton, Edward F., death of, 722
Business Aircraft Users Association, demonstration flight to Lille (photos), 1031

C

COSPAR, third international space science symposium announced, 66
—, Titov and Glenn to attend, 713; Titov speaks (photo), 749; One Day in Orbit (illus art), 801
C.S.E. Aviation Ltd, Cherokee for Despatch Motor Co (photo), 254
————, expansion announced, 959
————, new name for Vigors Aviation Ltd, 39
Calais Marck Airport development, 242
Caledonian Airways, BOAC to appeal against licences for, 885
——DC-7C crash in Cameroons, 347; further details, 387; photo, 850; possible solution to crash found, 858
——, DC-7Cs from Sabena (photo), 239
——, Overseas Visitors Club flights to New Zealand, application for, 201; refused, 315
——(Prestwick) Ltd, progress report, 121
——, Wilson, Max, relinquished shareholding, 816
Cambrian Airways, new domestic services from Glasgow, 162
——, 1961 report, 235
Cambridge Private Flying Group, a.g.m., 631
Canadair Ltd, progress of (photos), 279
—, Seaboard, 5 per cent holding in, 272
— CL-41A, photo, 982
— CL-41R, photo, 883
— CL-44D-4 for Slick Airways (photo), 118
Canadian Army Cessna L-19L (photo), 227
— Aviation Electronics, first F-104 simulator completed, 806
— Marconi Co, Doppler ordered for Lockheed C-130, 313
— National Aviation Museum, Fairchild FC-2W presented to (photo), 960
— Pacific Airlines, fare war with TCA, 744
————, McConachie, Grant, on competition, 28; further details, 83
— Pratt & Whitney, PT6 completes 150hr test, 232
Cannes light aircraft exhibition announced, 383
Cape Canaveral (photo feature), 326
Capital Airlines, report of possible operation of Argosies, 888
Capitol Airways, Super Constellation (photo), 852
Castrol Group, more airlines to use turbine lubricant, 762
— Ltd, board appointments to French member company, 310
——, Bye, T. F., appointment, 406
——, Farrow, Leslie W., portrait unveiled, 35
——, List, W. F., retirement (photo), 380
——, lubricant for Air France Caravelles, 110
——, RAF contract, 496
Catalytic Construction Co, Rover contract awarded to, 305
Cathay Pacific Airways Convair 880M due to go into service, 389; photo, 424; further photo, 706
Cayley, Sir George, commemoration plaque, 636
Cellon Ltd/Docker Brothers, to amalgamate, 811
————form Aircraft Finishes Division of parent company, 115; photos, 190
Centaur, first launch due, 528; drgs and photo, 538; first stage failure (photos), 800; upper stage production (photo), 841; probable cause (photos), 873
Central Airlines/Ozark Air Lines, report of possible merger, 816; further details, 999
Cessna Aircraft Co, helicopter training school approved by FAA, 880
— Skyknight, Skymaster and 310G (photo), 486
— Skymaster (photo), 254
— 180, London-Tasmania flight (illus article), 126
— 310G, 182 and Skylane improvements, details and photos, 26
— 210, details and photos, 128
— T-37, expansion of mission capability, 196
Champion Tri-Traveler (photo), 215
Chance-Vought, NASA contract for, 450
——— Crusader, photo, 884
——F8U-1T Crusader, first flight, 269; photo, 383
Channel Air Bridge, ATLB grants increase in Carvair services to Switzerland, 470
————, Basle service inaugurated, 606; good loads reported, 708
————, Carvair in service, details and photos, 268; further photo, 316
————, —, service to Strasbourg in June, 348
————, Geneva route inaugurated, 543; Rolls-Royce to use for exports to Switzerland, 774
————, illus article, 10
————/Silver City Airways, speculation on reorganisation, 705; further details, 888
————, Southend-Strasbourg route inaugurated (photo), 927
— Airways, Bristol-Cork-Jersey application granted by ATLB, 774
——, Carvair order, 159
— bridge, Hovercraft Developments representatives at Paris talks (photo), 121
Cheltenham Aero Club, progress report, 365
Chemicals Trading Ltd, Owens-Corning Fiberglas, UK agents for, 190
Chicago O'Hare Airport, world's busiest airport, 389
China (Communist), Herald, discussions on possible purchase reported, 74
— (—), Viscount order, radio equipment for, US objections to, 120; S & L, 174
Christopher Columbus Airport, nearing completion (photos), 854
Civil Aeronautics Board, airlines' no-show penalty approved, 118; reciprocal penalty for overbooking agreed, 348
————, Bill to give more authority being discussed, 273
————, Boyd, Allen S., outlining his conception of the DC-3 replacement, 774
————, Cunard Eagle still refused transatlantic charter flights, 774
————, *Handbook of Airline Statistics*, 1961 edition issued, 242
————, North Atlantic group travel fare, not yet approved by, 348; approval given, 389
————, supplemental carriers, to seek strengthening of pending legislation, 272
————, US accident figures, 124
————, — airlines permitted to pool equipment, 321
————, — domestic fares increase approved, details, 123
Cleveland Engineering Reporting Service, vintage aircraft drawings published, 592
Cochran, Jacqueline, GE Trophy awarded to, 346
College of Aeronautics, Cox, Sir Harold Roxbee, appointed chairman of the Governors, 848
————, flight instrumentation symposium announced, 464
————, IPE Conference paper on supersonic airliner, 603
————, Lord Sempill Paper by Lord Caldecote, report, 535
————, open days announced, 812; further details, 884
Collins Radio Co of England Ltd, details of new airborne equipment, 955
————, Italian company formed, 596
Colour feature. RAF, 361; US/UK satellite, 615; Saturn launch, 616
Commonwealth Advisory Aeronautical Research Council, seventh meeting announced, 498
— Conference on Satellite Communications, Bevins' speech at, 523; conclusion, 750
— Scientific and Industrial Research Organization, radio telescope (photo), 66
Composite 1 launch unsuccessful, details and photos, 184; spacecraft log, 527
Conrad, Max (photo), 765
Consolidated Electrodynamics Corp, miniature tape recorders for Mercury capsules, 379
Continental Air Lines, annual report, 854
————, Boeing 707 crash at Centreville, 847; possible sabotage, 888; sabotage confirmed, 998
————/National merger off, 203
— Electronics Systems Inc, VLF transmitter for NATO, 109
Convair B-58 Hustler, bear successfully ejected from, 599
————, modifications carried out, 848
————(photo feature), 52
— 880, PanAm purchase negotiations, 645
— 990, American Airlines receive first, 124

——, Hughes Tool cancel order, 162
——, Swissair delivery due, 72; General Dynamics agreement if aircraft not up to guarantee after modification, 203
——, Swissair-SAS deliveries, 72
Cook & Son Ltd, Thos, Atlantic tour-based fare suggested, 33
————, —, Rapide shipped for French Guiana (photo), 342
Correspondence (see Letters)
Cossor Radar & Electronics Ltd, CR.787 installed at Belgrade (photo), 348
————, new transponder developed, 1033
————, secondary radar ordered by France, 115
————, radar for Paris ATCC (photo), 529
Counting Instruments Ltd, miniature digital display (photo), 265
Coventry Airport, customs facilities, 388
Crouzet Co, dead-reckoning computer developed, 956
Croydon Airport, MoA statement on, 383
Cruzeiro do Sul, aircraft (unidentified), crash near Vitoria, 816
Cubana, disintegration, 643
—11-14 accident off Cuba, 506
—, Viscount disposal, 386; further details, 424; two 818s for SAA (photo), 465
—, — to be purchased by Ansett-ANA, 85; further details, 239; price, 321
Cubic Corporation, AGAVE details, 596
Cunard Eagle Airways, ATLB appeals to be lodged, 31
————, Aspden, R. R. H., resignation, 278
————, Bamberg, Harold, Frank Beswick interviews (photo), 933
————, Bermuda-Miami flight, distinguished passengers on (photo), 272
————, Boeing 707-420 delivery due, 277; photo, 464; jet services inaugurated, details and photo, 501; S & L, 589; Boeing 707 arrives at London Heathrow (photos), 758; first London-Bermuda jet service (illus. article), 770; arrival in Bermuda (photo), 774
———/BOAC competition, 704
——/BOAC, merger announced, Leader, 921; —details, 925; Bermuda, Bahamas and Jamaica monopolization by, 964; Lord Douglas comments on, 997
————, Brompton Air Station to be taken over, 320
————, CAB restricts Atlantic charters, 541; further details, 853; application withdrawn, 930
————, criticism of UK licensing system, 748
————, Hudson, Alfred M., appointment (photo), 348
————, scheduled IT services application, 274
————, Snelling, H. P., appointment (photo), 123
————, the future, Leader, 958
———Viking accident at Stavanger (August 1961), report due, 85
Curran Ltd, John, mounting for Decca early warning radars in Sweden, details and photo, 149
Currey Air Transport Ltd, CAB terminates operating authority, 85
Currie Wot purchased by MPM Group, 486
Curtis Greensted Associates Ltd, Curtis, Maurice, Frank Beswick interviews (photos), 857
Cushioncraft Ltd formed, 114
Cynk, Jerzy B. (author), 14
Cyprus Airways/MEA link-up denied, 604
Czechoslovakian State Airlines, Havana service, 73; photo ex-Cubana Britannia, 238; UK representative's reply to arms-carrying reports, 321

D

DETA and DTA to be merged with TAP, 606
DIA Elektrotechnik, UK agents for, and details of products, 190
DVL Establishment (Germany), new fog-dispersal system, 956
Dacre, Air Cdre G. B., death of, 38
Daimler-Benz PTL.6 engine, 637
Dalto Electronics Corp, Scanalog visual simulator, details and photo, 56
Dan-Air, application for London-Glasgow licence extension, 748
Darbhanga Aviation, DC-3 crash, 888
Dare Inc, DNCI-1 VOR unit (photo), 842
Dassault Balzac, brief details, 270
—Etendard IV M, first handed over, 115; photo, 154; American interest in radar, 680; armament (photo), 722
—Mirage family (illus article), 18
——III and IVA (photo), 499
——IIIC, RAAF further order reported, 346
———with equipment (photo), 65
——IIIS, Swiss-built Hughes equipment for, 77; further details, 116
——IV, final acceptance trials started, 680
——IVA, second flown (photo), 978
—Mystere 20 announced, 534; further details, 846; photo, 924
—, Rolls-Royce jet-lift engines to power Balzac and Mirage IIIV, 764
—Spirale III, STOL competition won by, 232; further details, 345
David Brown Corporation, Whitehead, James, death of, 670
Davies, R. E. G. (author), 608
Davis & Timmins Ltd, Grubb, E. B. M., elected captain of Aircraft Golfing Society, 380
de Havilland Aircraft Co Ltd, Cunningham, Gp Capt John, Frank Beswick interviews (photo), 209
————, English Electric data processing systems ordered, 229
————, Gardiner, G.C.I., retirement, 35
————, Hough, Dr G. H., appointment,
————/Rheinflugzeugbau GmbH agreement, 748; further details, 843
35
——Award, John, applications invited, 270
——/Ratier-Figeac agreement, 636
——Technical School Old Boys' Association, reunion announced, 421
——Comet, UAA, record flight to Cairo (photo), 534
———1A in test programme with Hustler, 268; photo, 499
———4/Boeing 707, BOAC publish comparative operating costs, 82
————, EAAC's third delivered, 606
————, production to continue, 82
———4C, further order from Aerolineas Argentinas reported, 278; confirmed, 387
————, MEA possible repeat order, 425; Sheikh Alamuddin discusses with DH, details and photo, 468
————, Sudan Airways, order confirmed, 747
————, UAA possible further order (photo), 502
——Dove, Irish Air Corps order, 722
————, 8 for National Coal Board, 25; delivered, 382; photo, 421
——Trident, BEA delivery date, 236; Lord Douglas' comment on hopes for, 315
————, Decca Doppler ordered, 232
————, Dexion dock for (photo), 274
————, EMI and Saunders-Roe simulator equipment for, details and photos, 495
———(illus desc), 41; photo, 38; first flight, 76; photo feature, 80; further photo, 79; S & L, 88; progress report on trials, 195
————, main-cabin test (photo), 541
————, model presented to H. M. Hobson chairman (photo), 150
————, paper on, 705
————, second machine flown, 814
——DH125, projected military variant (drg), 764
——Aircraft of Canada Ltd, Beaver, 1,500th delivered (photo), 838
————, power failure sensor, details, 379
——Canada Caribou, US Army place further order (photo), 195
————, DHC-8, 645
——Engine Co Ltd, Air Ministry visit (photo), 596
————, de Havilland, Sir Geoffrey, retires from board, other changes, 344
——, Sir Geoffrey, retires from D.H. Engine Co Ltd board, other changes, 344
Dean Delt-Air 250, brief details (photo), 26
Debate, aircraft industry, 489; Leader, 461
Decca Navigator Co Ltd, Doppler ordered for Trident, 232
————, Harco v. Vordac, 265
————, Roller Maps, MoA order, 595
—Radar Ltd, control radars for Reykjavik, 149
————, DASR.1 at Llanbedr, 341; to be installed at Singapore, 806
————, equipment for air-cushion vehicles, 1033
————, Irish Army Air Corps order, 718
————, Fennessy, Gp Capt E., appointment, 670
————, Swedish early-warning radars, details and photo, 149
————, WF 2 at Teheran Airport (photo), 459
————, wind-finding radar for Greenland, 109
Defence White Paper, brief details, 312; report, 339; debated, 384
Delaney Gallay Ltd, metal joining services, 761
Denham Flying Club to move, 180; Elstree picked as new base, 804
Denny Hoverbus, details, 160
—D1 Hovercraft, further evaluation in Southampton Water, 345; photo, 599
Derby Aviation, Argonaut (photo), 961
——, IT schedule services application to ATLB, 506
Derbyshire and Lancashire Gliding Club, aerotow application refused, 306; appeal, 760
————, expansion plans, 59
Desoutter, Rene, death of, 847; an appreciation, 884
Devereux, Tony (author), 377
Dexion Ltd, slotted angle dock for Trident (photo), 274
——, ——supplied to Malaya, 880
Discoverer 36, Oscar payload installation (photo), 6; Spacecraft Log, 141
—37 unsuccessful, 140
——, USAF retrieve after 5 days in orbit, 372
Docker Bros/Cellon Ltd, form Aircraft Finishes Division of parent company, 115; photos, 190; to amalgamate, 811
Dornier-Werke development and research centre, 344
—Do28 in the USA (photo), 25
Douglas Aircraft Co Inc, Aircraft Division and Astropower, new facilities, details and photos, 110
————, DC-3 replacement market studied, 849
————, manufacture of solid motor cases, 412
————, Martin, C. C., appointment, 263
————, missile statistics, 714
—A4D-5 Skyhawk (photo), 471
—B-26 Invader, shadow over desert (photo), 395
—DC-8 order book, 33
——, wing modification for KLM, 162
—DC-8F, TCA order, 79
—DC-8-50, Iberia order further one, 239
——, KLM order further one, 429
—DC-9, go-ahead expected, 348
—Model 2086, details and drgs, comparison with BAC One-Eleven, 161; mock-up (photo), 606; (illus desc), 671
—(Equipment) Ltd, W. L., Tugmaster N.S.6, details and photo, 530
Dow Chemical Co, new anti-icing additive, 634
Dowty Exports Ltd, Newport, H., appointment, 634
—Group Ltd, Dowty, Sir George, elected president of Worcester Cricket Club, 499
————, ——, ——, to be guest at Gauge and Tool Makers' luncheon, 531
——Services Ltd, Irving, Charles G., appointment (photo), 191
—Rotol Ltd, Hindustan Aircraft representatives visit (photo), 196
Drallim Industries Ltd, new premises, 230
Dualloys Ltd, Paget, Sir John, appointment, 342
Dulles International Airport, Washington to be probable name, 203
Dundas, R. K., appointed agents for DC-6 and DC-7 sale, 645
Dunlop Group, Paterson, Frank, celebration of 50 years of aviation (photo), 920
—Rubber Co Ltd, production department change, 762
Dyna-Soar simulators (photos), 602
——,staging idea based on Bloodhound (S & L), 403
——,Titan contract cancelled, suborbital phase to be omitted, 6

E

E-A Flight Automation Ltd announced, 155
————/Bendix agreement, 495
EMI Electronics Ltd, analogue computer (photo), 880
————, Trident simulator equipment, details and photos, 495
East African Airways Corp/Aden Airways pool agreement, 74
————, Argonaut crash at Nairobi, 606; further details, 645
————, Comet, third, delivered, 606
————, Travers, Capt P. A., appointment (photo), 645
————, 1961 profit, 544
—Anglian Flying Services, DC-3 crash near Ventnor, I.o.W., 748; further details, 773
————, Liverpool-Dublin vehicle ferry application, 320; application approved, 708
Eastern Air Lines, air shuttle fare to Puerto Rico filed with CAB, 606
————, ——services, report on, 316; group fares filed with CAB, 543; extensions to, 640; 1962 first quarter profit, 888
———/American Airlines merger, 124; implications of, 161; further details, 235; report to stockholders on, 503; stockholders approve, 708
————, annual report, 887
————, Boston-Washington air shuttle service, 124
————, New York-Miami air shuttle service introduced, 278
————, possible Boeing 727 order cut, 888
————, punctuality record (table), 427
————, strike over reduction in jet crews, 999
—Provincial Airways, Catalina crash at Godthaab, 816
————, Herald order, 315
Echo, test due, details and photo, 104; launched, details and photo, 140; further photo, 185; television pictures transmitted, 800
Economist, The, group charter comment (S & L), 454
Edinburgh (Turnhouse) Airport, air traffic control tower from Blackbushe (photo), 202
Ekco Electronics Ltd, BOAC order weather radar for VC10s, 58
————, Harmer, C. A. W., appointment, 342
El Al Israel Airlines, Boeing 707-420 (photo), 467
Electrical Review, constant-frequency a.c. electrical system article, 196
Electro Mechanisms Ltd, Ramage, F. A., appointment, 58
Electronic Associates Inc, analogue computer for Project Pluto, 150
————, guided-weapon range instrumentation contract from Sardinia, 460
—Engineering Association, two information documents issued, 58
Elliott Bros (London) Ltd, automatic landing progress (illus), 295
——(—)—, electric rocket engine demonstrated, 223
——(—)—, FREDA details, 56
——(—)—, management company announced, 155
——(—)—, RAE director visits (photo), 459

— — (—) —, RAF and MoA orders, 314
Ellis Air Lines/Alaska Coastal merger, 239
Empire Test Pilots' School, USAF and USN flight test centres visited, 154; details, 270
— — — — Viscount (photo), 115
English Electric Aircraft Equipment Division, Bradley, J. D. H., appointed chief engineer, 880
— — — — —, electrical generating system for Buccaneer 2, 229
— — Aviation Ltd, changes announced, 992
— — — — —, Crowe, F. D., board appointment, 35
— — — — —, guided weapons division appointments, 58
— — — — —, Jefferson, G. R., appointment, 58; photo, 39
— — — — —, Morrish, P. K. A. and Bateman, C. I., appointments, 765
— — — — —, new appointments, 270
— — — — —, Stevenage factory layoff, 263
— — Group, 1961 report, 383
— — Canberra, modified by Bristol Aircraft Ltd (photo), 811
— — Lightning, Firestreak, cost of accidental dropping of, 464
— — — Mk 3, photo tail, 312
— — — Mk T.4, illus article, 875
— — — Mk T5 (photo), 498
— — Co Ltd, data processing systems ordered by de Havilland, 229
— — — —, financial report, 380
Epsylon Industries Ltd, first British digital recording system to be flight tested, 842
Eros Airlines, new independent, 278; Pegasus Vikings not to be taken over, 348; details of organization, 427; Viking (photo), 851; disillusionment with Ministry of Aviation expressed, 997
Esso Ltd, new refuelling method (photos), 991
Etablissements Ragonot/Oster agreement, 596
Ethiopian Airlines DC-3 crash at Tippi, 124
— —, DC-3s purchased from PIA, 428
Euravia, details, 69; further details and insignia, 237; licence applications, 349; ATLB decisions, 470; Constellation (photo), 641; details of operations, 644; first passenger charter flight, 774
Eurocontrol, ITT Vordac system for, details and photos, 341
European Air Transport SA, new charter operator, 965
— -American Assembly on Outer space, at Brighton, 840, 910
— Launcher Development Organization Convention prepared, 302; tasks outlined to UN, 492; Convention signed, details and photo, 523; illus article on organization, 524; Mr Thorneycroft's statement, 668
— Space programme (Leader), 311
— — Research Organization, Paris meeting, brief report, 336; further details, 371; centres chosen, 539; Leader, 881; convention signed, 983
— — — —, Lines, Dr A. W., appointed, 713
Eurospace, AICMA, becomes member of, 154
European Space Symposium, illus report, 1027
— — Technology Centre, illus article, 984
Eves, Edward (author), 521, 630
Executive Air Transport, ATLB grant domestic service, 162
— — — DC-3 (photo), 425
— — —, new services, 320
— — —, to concentrate on executive aircraft operation, 852
Exercise Air Cobra, brief details, 754
— "Dawn Breeze," brief details, 483; *Victorious* and *Clemenceau* participation, 498; Shackletons re-arming (photo), 532; analysis, 674
— "Fairwind Seven," photo, 994; report, 1032
— "Life Line," details, 60; illus report, 147; further photo, 146
Explorer 12, analysis of data obtained from (photo), 222
Exports, British, for first 11 months 1961, 116; 1961 total, 194; January 1962, 344; February 1962, 498; March 1962, 721; April 1962, 922

F

Fairey Co Ltd, Trident production work, 229
— — —, Westland-Bristol bid for, chairman urges rejection, 2; revised offer refused, 195; further details, 234; £5.7m offer refused, 345
— Engineering Ltd/BAC form company to take over Fairey guided-weapon work, 104
— FD.2, conversion for Sud-BAC supersonic transport flight-testing, 269
— Swordfish, designer at Swordfish Hotel (photo), 532
Fairchild Friendship, Bahamas Airways probable order, 643
— —, more to be built, 645
Fairmile Engineering Co Ltd, hangars ordered by Saudi Arabia, 150
Fairtravel Ltd, Linnet production started, 691
Falcon Airways, Beezley, F., vindicated in Southall Gash case, 29
— —, Capt. Nicoll awarded compensation, 429
— —, in the hands of receiver-manager, 274
—, Swiss Air Force order, 305
Faucett DC-3 accident near Lima, 239
Federal Aviation Agency: All American Engineering Co's tail hook test facility, contract awarded for, 74
— — —: Boeing 707 incidents to be reported to, 387
— — —: Changes to airworthiness regulations, 707
— — —: DC-7C at London Heathrow (photo), 84
— — —: Grant, Maj Gen Harold W., appointment, 239
— — —: Imperial Airlines suspended, 33
— — —: jet landing rules eased, 889
— — —: 1961 report of collisions in US, 966
— — —: Project Beacon, conference to discuss requirements, 72
— — —: Project Beacon (illus article), 285
— — —: Project Telescope, 544
— — —: SPANAT details, 189
— — —: Supersonic Airliner research contracts awarded, 888; further details, 926; more contracts awarded, 999
Fédération Aéronautique Internationale, de Havilland, Sir Geoffrey, awarded Gold Medal, 994
— — —, ICAO Edward Warner Award given to, 3
Ferranti Ltd, Biden, R.M.M., appointment, 531
— —, Bloodhound system computer, 530
— —, Dorey, P. F., appointment (photo), 190
— —, India visit, 310
— —, radarscope recorder exhibited at Hanover (photo), 806
— —, Swiss-built Mirage equipment order lost, 77; further details, 116
Fiat G.91s for Germany and Greece (photo), 4; first German unit commissioned, 765
— G.91T3, photo, 722
— G.95, first details of new VTOL strike fighter (photo), 810
— /Süd-Gruppe agreement, 114
Fiberglas Corp, Owens-Corning, UK agents for, 190
Field Aircraft Services, Instrument and Ancillary Division, installed at Croydon (photo), 1034
Film Aviation Services Ltd, B-17s for *The War Lover* on show, 346
— — —, Waco glider rebuilt (photo), 270
Filming the Aviation Industry (illus article), 1004

FILMS:
John Glenn film to be shown at US Embassy, 800
Duel in the Sky, 637
Mach Two, 637
Turning Blades, 996
Finland, Soviet armament ordered, 270
Finlantic DC-6C (photo), 237
Finnair, Caravelle (photo), 704
— DC-3 (photo), 773
Fireproof Tanks Ltd, change of name, 920
Firestone Aviation Tyre Division, Redding, J. A., appointment (photo), 956
— Tyre & Rubber Co Ltd, foreign manufacturing agreements, 191
Firth & John Brown Ltd, Thomas, Broomhead, Arthur, and Peter Fox, appointments, 342
Flair Aviation Co, FU-24, New Zealand manufacturing rights discussed, 196
Flairavia Flying Club formed, 407

FLEET AIR ARM: (see also under Royal Navy):
Birthday Honours, 944
Flying the Buccaneer (illus desc), 1003
Naval air days announced, 716
Officers' Association, 590
Promotions, 102
RNAS Culdrose, Lord Carrington visits, 309
RNAS Lossiemouth domestic blocks opened, 944
SQUADRONS:
700Z Flight, Buccaneer evaluation (illus. article), 165; photo on *HMS Hermes*, 914
781 Herons to have Sperry equipment, 102
845 recommissioned, 632
890, Sea Vixen crew picked up, 808
Flight Handbook, 6th Edition published, 218
— index available, 422
— *International*, editorial vacancy, 352
— — /*Flugwelt*, to co-operate in editorial material, 812
— —, introduction to (Leader), 1
Flight Refuelling Ltd, Dickinson, R., and T. J. Bolger, appointments, 342; Dickinson (photo), 314
— — /Hayes International Corp agreement, 380
— — —, Hornidge, P. R., retirement, 342; photo, 314
— — —, sound suppressor (photo), 762
Flight Safety Focus, damage during taxying report, 1000
— — —, director horizon instruments, article on use of, 505
— — —, one-wheel-up-landing, technique, 743
— — —, slush, freezing-on-fuselage hazard, 121
— systems (illus review), 281
— test Instrumentation, second international symposium at Cranfield, 835
Flockhart, Ron, death of, 599
—, —, Mustang f[illegible] second record attempt (photo), [illegible] date, 520
Flugwelt/Flight International, to co-operate in editorial material, 812
Flying Doctor Service in Nigeria, 680
— Groups and Clubs, UK, 440
— Tiger Line, annual report, 998
— — Super Constellation lost between Guam and Manila, 470
Fokker Aircraft, profits, 766
—, Breguet start delivering fuselages, 748
— F.28, possible purchase by Indian Airlines Corporation, report, 999
— Friendship, Fujita order, 603; contract signed (photo), 642
— —, Malayan Airways order reported, 159; confirmed, 349
— —, Philips Organization executive version delivered (photos), 599
— —, Sudan Airways' first delivered, 121; photos, 159
—/Republic D-24 Alliance, details, 759
Folland Aircraft Ltd, annual dinner-dance, brief report, 58
— Gnat, Air Minister visits production line (photo), 674
— —, CFS receive first, 195; photo, 234; further details and photo, 264; further order, 420
Ford Aeronutronic, instrument capsule (photo), 682
Fouga CM.170 Magister, Austrian order announced, 959
France, hybrid liquid/solid rocket tests, 954
—, information services for private pilots (illus), 408
—, nuclear submarine report, 412
—, space programme, 953; Leader, 993
Frankfurt Rhein-Main Airport improvements, 429
Fred Olsen Airtransport Ltd, Viscount sale to Indian Airlines reported, 162
French Air Force, SAC formation announced, 422
— industry, progress of (illus), 396
Fuel, JP.4/kerosine controversy (S & L), 23; summary of, 353; Government report decrees kerosine safer (table), 423; S & L, 589
— servicing, light aviation (illus article), 439
Fuji Airlines Co, new Japanese carrier, 33
— Heavy Industries of Tokyo, light-aircraft project, 99
Fujita Airlines, Friendship order, 603; contract signed (photo), 642
Furnishing and Finishing (illus survey), 129

G

G.M. Power Plant Co Ltd, new showroom opened, 191
G.Q. Parachute Co, webbing used in Coventry Cathedral operation, 761
Garrett Corporation, suction pump for Northrop, details and drg, 310
— International, McGilvray Jr, W. Scott, appointed general manager, 807
Gas Turbines, electrical control system for (illus article), 976
Gemini, flight mission (drg), 184; mock-up (photo), 539; Rogallo wing model (photo), 600; funds for, 954
General Dynamics, big loss made on Convair 880 and 990 programmes (table), 747
— — /Boeing TFX design (illus desc), 207; drg, 196; further details, 269
General Electric Co Ltd, Dexan (photo), 265
— — — —, digital data link, details and photo, 57
— — — —, VASI for Australia, 149
— — — (Lighting & Equipment) Ltd, change of address, 762
— — — (— — — —) —, VC10 equipment ordered for (photo), 670
— — of America, Apollo contract, 305
— — — —, electro-hydraulic metal-forming process, 35
— — — —, foamed Aluminium, 807
— — — —, fuel cell progress, 634
— — — —, inertial velocimeter, details, 379
— — — —, J85 to power CL-41, 721
— — — —, new tachometer-generators, 406
— — — —, Small Aircraft Engine Department figures, 269
— — — —, T58 assembly in Japan, 680
— Precision Systems Ltd, Channel air traffic survey, 595
— — — —, USAF order, 495
Ghana Airways, air service agreement with Russia, 606
— —, Ilyushin Il-18 (photo), 542
— —, 1961 loss, 926
Glenn, John H. (author), 414, 448
Gliding Championships, National, announced, 181
— in New Zealand, Pt 1, 519; Pt 2 (illus), 628
—, national centre at Lasham, details and photo of project, 115; further details, 215
Goldstone tracking station (photo), 751
Goodrich Co, B. F., tyre for B-70, details and photo, 531
— —, tyre wear indicators, 57
Goodyear Aircraft Corporation, fibreglass radome (photo), 405
Graviner Manufacturing Co Ltd, airborne smoke detector and smoke viewer (photo), 807
— — — —, continental sales, 762

Great Lakes Airlines Inc, CAB terminates operating authority, 85
Greenwood, S. W. (author), 524
Gregory, James, death of, 531
Ground-effect vehicles, future filling station for (photo), 812
Grumman W2F-1 Hawkeye (photo), 2
—A2F-1 Intruder with stores (photo), 384
Guest, Keen & Nettlefolds Ltd, director killed in Cessna crash, 77
Guild of Air Pilots and Air Navigators, Master Air Pilot Certificates awarded, 242
— — — — — —, three new Liverymen created, 773
Guild of Air Traffic Control Officers, IFATCA joined, 534
— — — — — —, third annual convention announced, 234
Gunston, W. T. (author), 207, 693, 823

H

HMS *Bulwark*, Commando exercise with Australian Army, 632
— —, Commons questions on, 36
— —, Whirlwinds in training (photo), 192
—*Centaur*, Aden Forces Week (photo), 632
—*Devonshire* firing Seaslug (photo), 873
—*Fife*, fifth County-class missile destroyer laid down, 983
HMCS *Bonaventure*, operational figures for 1961, 102
Hacienda fleet operated by Las Vegas hotel (photo), 321
Halpins of Hampshire Ltd, ADAS proving flight in Safir, report and photo, 59
Hammarskjold accident, commission of enquiry announced, 85; opens, 122; report, 200; verdict, 232; further details, 272
Hampshire School of Flying Ltd, bought by two of its members, 949
Handley Page Ltd, prizegiving (photo), 39
— — —, Russell, G. C. D., appointed chairman and managing director (photo), 678
— — —, statement on merger possibility, 35
— — —, technical director's comment on future of, 406
— —, Sir Frederick, death of, leader, 677; obituary (photo), 715
— —H.P.124 Military Herald with Rolls-Royce inside (photo), 314
— —Halifax, Airfix model interests technical director (photo), 3
— —Herald, Canadian demonstration (photo), 388
— — —and the RAF, statement on 195; Commons questions on, 535
— — —at Akrotiri (photo), 60
— — —, BUA order executive version, 424; further details, 470
— — —, Communist China, discussions on possible purchase reported, 74
— — —, Nordair receives first, 203; photos, 271; second delivered (photo), 427
— — —100 for BEA (photo), 68
— — —200, demonstration tour report, 73; aircraft used in parachute record, 194
— — — —, Eastern Provincial Airways order, 315
— — — —, first delivered to Jersey Airlines, 68
— — — —, weight increase, 888
— —Heralds for royal tour, BEA crews depart, 120; further details and photo, 194; photo, 200; itinerary, 236; Duke of Edinburgh at controls (photo), 320; telegram to Sir Frederick from Prince Philip, 534; return (photo), 640
— —Victor, "improved version" report, 114
— — —, RAF training sortie (illus article), 247
— — —B.2 crash near Newark, 463
Hanover Air Show, Show Guide, April 26; brief details, 636; report, 683; round-up, 723
Hants & Sussex Aviation Ltd, Rapide for French Guiana (photo), 342
Hardy, M. (author), 48
Hatfield College of Technology, space technology symposium announced, 184
—Man Powered Aircraft Club, Watts, F. T., eighth founder member, 949
—Puffin, first flight (photo), 720; illus desc (cutaway drg), 862
Hawker de Havilland (Pty) Ltd, transfer of South African head office, 191
—Aircraft Ltd, Chaplin, R. H., relinquished duties, 721
—Siddeley Aviation, Crampton, Sqn Ldr John, appointment (photo), 346
— — —, Floyd, J. C., retires (photo), 233
— — —/France agreement, 636
— — —, Hanover Air Show participation, 314
— — —, Laight, B. P., appointment (photo), 233
— — —, Murphy, Sqn Ldr Frank, appointment (photo), 346
— — —/Shorts, VTOL conversion study contract, 498
— — —, Sturgeon, H. G., resigns, 194
— —Group, annual report, 923
— — —, Indian Industries Fair exhibit, Mr Nehru visits (photo), 124
— — —, preliminary trading figures for 1961, 810
—Hunter, Rhodesia to buy, 268; further details, 338
—P.1127, Bill Bedford's comments on, 233
— —, evaluation programme with US and Germany, 312
— —, future programme discussed, 720
— —, test pilot's article on (illus), 281; Leader, 267
— —, West German Air Force sees (photo), 534; purchase of three, report, 766
— —Siddeley Canada Ltd, new name for A. V. Roe Canada Ltd, 762
Heenan & Froude Ltd, R-R Continental test-beds, details and photo, 496
Heinkel HE211, details and photos, 428; further details (g.a.), 468
Helicopter, tethered-to-cable idea, 619
Heliport, London, BEA's proposal, 74
—, —, LCC wants monorail studied before decision is made, 203; Leader, 231; Nine Elms probable site, 316; confirmation 344
Hewitt-Robins, flexible adapter and drogue for refuelling (photo), 265
Hiller, 12E, marine salvage work, 536
Hindustan Aircraft Ltd, progress report, 499
— — —, visit to Dowty (photo), 196
Hines, William (author), 333
Hispano-Suiza, fiftieth anniversary party (photo), 1034
— — —, flexible drive shaft for Breguet 941, details, 269
— — —landing-gear components, 920
Hobson Ltd, H. M., Trident model presented to chairman by DH (photo), 150
Holmfirth Aero Club, plans, 631
Hong Kong Aircraft Engineering Co. expansion at Kai Tak, 150
Horner, Gordon (artist), 24, 98, 196, 337, 364, 675; Missile Station, 784, 870, 917
Hound Dog GAM-77A (photo), 954
Hovercraft, Civil Aviation (Licensing) Act, exempt from, 603
—, Cockerell, C. S., talk on future uses, 679
—, feature on television, 884
—, Leader, 881
—Developments Ltd, Channel bridge talks in Paris (photo), 121
—trade name, four registered users, 266
Hubbard, T. O'B., death of, 196
Hughes, H. R. (author), 1004
—Aircraft Co, equipment for Swiss-built Mirage, 77; further details, 116
—Tool Co, Convair 990 order cancelled, 162
— — —, Northeast Airlines, controlling interest in, 118
— — —, TWA sued, 320
Hunt, Leslie (author), 255, 622
Hunter-Tod, Air Cdre J. H., appointed Director of Guided Weapons (Air), 1030
Hunting Jet Provost, Sudan Air Force repeat order, 679; photo, 720
—Group, new company formed, Hunting Light Industries Ltd, 807
—Surveys Ltd, airborne survey carried out, 92
— — —, Tanganyika survey, 460
Hurel-Dubois HD.151 details, 155
Hymatic Engineering Co Ltd, Aircraft Division, sales tour of Continent ends, 1034
— — — —, MAD 206 solenoid valve, details and photo, 229

I

I.V. Pressure Controllers Ltd, portable comparator, details and photo, 460
— — — —, Smith, J. Armour, appointed sales director, 843
Iberia, Caravelle, first delivered, 348
—, DC-8-50, further one ordered, 239
Icelandair DC-4 (photo), 930
Idlewild, PNYA sued by local property owners for damages, 33; further details, 119
Illinois Tool Works Inc/Plessey agreement, 110
Ilyushin 11-18, details of new version, 469
— —, Dolgov, Yuriy, comment on, 542
— —, Somalia flood relief work (photo), 4
Imperial Airlines Constellation accident (November 1961), CAB report, 238
— —, FAA suspends, 33
—Chemical Industries Ltd, Nobel Division, Silicoset casts for internal inspection, 310
—College, two Fellowships announced, 722
India, ATLB to be formed, 160
—, interest in MiG-21 reported, 766; further details, 884; discussions continue, 958
—, Lightnings offered to, report, 994
—, possible purchase of more Soviet aircraft, 923
Indian Air Force, maintenance depot for Russian equipment, 155
—Airlines Corporation, Caravelle order reported, 429; further details, 606; delivery date announced, 708; further details, 747
— — —, illus article, Part 1, 204; Part 2, 243
— — —, to charter Air-India Boeing 707, 965
— — —, Viscounts purchased from Fred Olsen reported, 162; further details, 885
Indonesian aircraft industry to build more aircraft, 923
Inn signs, in search of aeronautical (illus article), 622
Institute of the Aerospace Sciences, annual meeting report, 199
— — — — —, Honors Night Dinner, 154
— —Production Engineers (Midland Region) summer meeting (photo), 828
— —Transport, Brancker Memorial lecture (Granville), report, 273
International Academy of Astronautics, elected members announced, 751
—Aeradio, ATC training for Belgians, 645
— —, Polish visit (photo), 882
— — —, Scott-Farnie, G. R., appointed chairman of National Joint Council for Civil Air Transport (photo), 429
— — —, Sperry, flight progress strip printer, details and photo, 56
—air traffic figures (table), 29
—Council of Aircraft Owner and Pilot Associations formed, 215
— — — — — — —, AOPA of South Africa to join, 804
—Federation of Air Traffic Control Associations, annual conference announced, 544
— — — — — —, GATCO joins, 534
— — —Airline Pilots' Associations, annual conference announced, 33
— — — — — —, radiation monitoring, 71
— — — — — —, radio teletype recommendations adopted by ICAO, 387
— — — — — —, statement on supersonic aircraft problems, 748
—Gliding Championships, Polish pilots win, 1031
—Light Aircraft Fair, announced, 846
—Register of Civil Aircraft, details, 745
—Telephone & Telegraph Co, Vordac system for Eurocontrol, details and photo, 341
— — — —, London meeting, 385
—Cargo Handling Co-ordination Association, possible use for air-cushion vehicles, 922

INTERNATIONAL AIR TRANSPORT ASSOCIATION:
Fares undercutting, 351
Hildred, Sir William, Frank Beswick interviews (photo), 618
— — —, statement on 1962 prospects, 27
Latin American low-fare challenge, 886
Membership changes announced, 999
New freight rate structure, 965
New London offices, 965
North Atlantic, low group travel fare may be introduced, 160; Association of British Travel Agents place £70 return fare proposal, 203; low group travel fare confirmed, details, 238; not yet approved by CAB, 348; passenger charter statistics, 350; CAB approval given, 389
— — —traffic statistics, 352
Supersonic Transport Advisory Committee formed, 278
Traffic conference plans, 645; date changed, 708
—Airline Navigators' Council, Doppler comment (S & L), 454

INTERNATIONAL CIVIL AVIATION ORGANIZATION:
Annual report, 1001
Communications Division meeting, details, 82
Edward Warner Award given to FAI, 3
Fourteenth Assembly announced, 239
ILS conditions, new categories, 276
Long-range jet aircraft, study of, economic implications of, forecast proves correct, 744
Mauritania and Gabon join, 203
1961 traffic, 605
North Atlantic statistics (table), 504
Sierra Leone joins, 33
UN request representatives for Hammarskjold crash inquiry, 201
Iran National Airlines, reported new airline, 645
Irving Air Chute of Great Britain Ltd., new parachute for airborne forces (photo), 498
— — — — — — —, statistics on successful use of equipment, 496
Italian Space Research Commission, Italian satellite planned, 751
Italy, Bulgarian MiG-17 lands near Jupiter site, 114
—, private flying, restrictions lifted, 128

J

JAT, Caravelle order, 429
James, B. J. F. (author), 620
Japan, aero gas turbine manufacture, 116
—Air Lines, new twice-weekly service to London announced, 999
— — —, SAS crews to be employed, 277
Jenson & Nicholson Ltd, new runway paint, 761
Jersey Airlines, Herald 200, first delivered, 68
— —, taken over by British United Airways, 813
Jet-lift erosion, Rolls-Royce research into (illus article), 355
—Propulsion Laboratory, space chamber (photos), 752
Jodrell Bank, Mark 2 telescope model (photo), 5
Johannesburg, French exhibits, 722
Joyce, James Avery (author), 7, 62

K

KLM (ROYAL DUTCH AIRLINES):
Air Union, third thoughts on, 119; further details, 321
Amsterdam-Manchester all-cargo service, 320
Caribbean division may be transferred to new airline, 242
DC-8 wing modification, 162
DC-8-50, further one ordered, 429
Electra leased to Persian Air Services, 162
Personnel dismissed, 816
Probable purchase of Swissair Convair, 880, 645

Kaiser Aluminium & Chemical Corp/British Aluminium co-operation, 35
Kaman Seasprite, US Navy orders more, 680
Keegan Aviation, ex-Overseas North Stars sold, 888
Kent Ltd, George, clearview screen (photo), 190
— — —, May, Jack, death of, 634
Kerry, Thomas H., death of, 270
Ketay Ltd, expansion plans, 496
King Aircraft Corporation, King, J. McEwan, resignation, 39
— — —, Neale, W., appointment, 531
— — —, Thermoid jet starter hose, 35
— Radio Corporation, Beagle visit (photo), 634
— — —, 360-channel transceiver, details and photo, 56; further details, 190
Kollsman Instrument Ltd, astro-sextant, contract awarded, 718
— — —, equipment for NASA's OAO, 105
Kremer Competition, details, 861
Kuwait Air Force, Jet Provosts delivered (photos), 536
— Airways, to charter Comet from Middle East Airways, 846
— — Viscount (photo), 387

L

LOT, 11-18 (photo), 967
La Guardia, new airport plan (photo), 707
Lambert, Mark (author), 169, 211, 328, 442, 662, 663, 723, 875, 935, 988
Lancashire Aero Club, 1961 developments, 180
Lancaster, Capt W. N., petrified body found in Sahara, 269
Lasham, National Gliding Centre project, details and photo, 115; further details, 215; donation by the Duke of Edinburgh, 994
Latécoère air mail rocket (photo), 385
Leach Relais und Elektronik GmbH, F-104G relays delivered, 956

LEADERS:
Accidents to British independents, MoA censorship criticized, 419
Aero engines of the world, 993
Aeronautics ceases publication, 343
Air Transport Licensing Board, 677
— — — — traffic rights muddle, 809
Aircraft industry debate, 461
BOAC's excess capacity, 193
BUA take-over of Silver City, 153
Bristol 188, 635
British aircraft industry, Lords debate on, 231
Cunard Eagle and the future, 958
Europe in the space race, 881
Fiftieth Wilbur Wright Memorial Lecture on aero engines discussed, 845
Flight International, 1
France in the space race, 993
Future developments in aviation, 114
Handley Page, Sir Frederick, death of, 677
Hawker P.1127, 267
Heliport v. monorail for London, 231
Hovercraft designations, 881
Light Aircraft Accidents, 193
Maj Glenn's spaceflight and European progress, 311
RAF Operational Requirements, 497
Radio aid for private pilots, 75
Rotodyne cancellation, 343
SBAC statement on role of aircraft industry, 153
Satellite Communications Conference, 497
Slush hazards, 37
Supersonic airliner, variable-geometry design for, 533
US brinkmanship in space, 381, 419
—/Soviet space co-operation, 461
— /UK satellite, 597
Leahy, A. J. (author), 1003
Lec Refrigeration Ltd, Comanche, flight to West Africa (photos), 181

LECTURES:
An introduction to Space Warfare (Golovine) brief report, 666
Aircraft Ice Protection, date announced, 721; report, 829
Astronautics and space technology, course of lectures on announced, 223
Bloodhound Missile Evaluation (Biggs and Cawthorne), illus report, 494
Brancker Memorial (Granville), report, 273
Concept and Development of a Simple, Stable and Economic VTOL Vehicle (Hibbard and Heppe), illus report, 323
Design Philosophy of Manpowered Aircraft (Spillman), illus report, 253
Development of Seaslug (Bayly and Lightbody), illus report, 142
Fiftieth Wilbur Wright Memorial Lecture, Leader, 845; photo, 846; diagrams, 848
Flight Safety (Spilsbury and McElwain), brief report, 453
Lord Sempill Paper (Lord Caldecote), report, 535
Progress of European Air Transport 1946-61 (Lord Douglas of Kirtleside), illus report, 32
Role of Jet Lift (Keith-Lucas), brief details (drg), 345
Society of Environmental Engineers lecture (Duncans) announced, 722
Trident paper at SAE (Newman), brief report, 705
Weather Hazards in Aviation announced, 196

LETTERS:
Abel, R. C.: Rearward-facing Seats, 22, 219
Airnautic: How Many Will Fly Foreign?, 627
Andrews, H. W. G.: "Liverpool is not Manchester," 990
Apsley, Eric: Air-rider or . . . ?, 990
Ash, L. S.: John Yoxall, 878
Austin, Maurice: Ecclesiastical Upward Charlies, 627
—, —: First Rear-engined Jet Aircraft, 918
Avon, W. Stratford: Hypersonnete, 756
Baffled: ATLB and Starways, 67
Barker, P. T.: Hats Off at LAP, 805
Barnard, H. R.: Defining Man-powered Flight, 805
Bateson, Richard P.: RAF at Sea, 67
Bathurst, G. B.: Was the U-2 Rammed?, 516
—, —: — — — —, 946
Baynes, L. E.: V.G.: 1949 Project, 717
Bevan, F. H.: Automatic Landing Systems, 151
Binney, Lt Cdr T.V.G.: 804, not 803, 992
Birkett, Holland: Blackbushe Inquiry, 756
—, —: — — —, 878
Blackmore, E.: Kerosine or JP.4: Use of Bag Tanks, 676
Boughton, T. B. A.: PPL Fee, 918
—, Trevor W.: Walruses and Beaufighters (photo), 593
Brown, Vernon: RAF Aft-facing Seats, 340
Bruce, R. J. T.: Viscounts for China, 516
Button, J. C.: Automatic Landing Systems, 152
Caplan, Harold: Who May Be Sued?, 878
Caratini, Roger: French VIP DC-6B (photo), 517
Carisella, P. J.: Wishes to get in touch with ex-members of No. 3 Squadron, 1008
Carr, Bernard; Was the U-2 Rammed, 833
—, James: Swifts at Manston, 458
Cazalet, Robin: Monospar Memories, 340
Clark, Ronald W.: Boffin Genealogy, 488
Clarke, J.: Winter Decibels, 257
Coleman, William G.: Airline Navigation, 918
Controller: Cockpit Collision Warning, 410
Cooper, F. M.: What are "Sibleys"? 676; correction, 757
—, S. G.: Ocean Weather Ships, 219
Corley, W. J.: FAA Airfields 1939-45, 918
Croker, F. P. U.: IATA and Non-IATA Fares, 833
Cromwell, Oliver: Discouraging Our Politicians, 805
Cutler, J.: Rearward-facing Seats, 151
Czlapka, Flt Lt K.: Imperial Propeller, 757
Dobson, K. G.: Accident Recorders, 945
Doganis, R.: "Social Service" Routes, 369
Dorman, Geoffrey: Airdale and Antelope, 992
—, —: "Classified" or "Secret," 717
—, —: Hawker and Siddeley, 593
Douglas of Kirtleside, Lord: BEA and Europe's Air Traffic, 111
Ducé, R. P.: Viscounts for China, 307
Dunlop, Walter G.: 2,000,000 Jet Hours, 186
Eastley, T. W.: Fox Moths In Canada, 518
Eaton-Barty, C. R.: Executive STOL Aircraft, 676
Edon, G. B.: What are "Sibleys"? 458
Ellis, C. T.: Veteran DC-2s (photo), 369
Embring, S. Lennart, wishes to correspond with an aviation enthusiast, 918
Euroavia: European Student Co-operation, 594
Fan-fan: Jet Economics, 627
Flintham, V.: The Industry and its Outlook, 188
Follows, D.: Pilots and Money, 67
Frankland, Noble: War Museum He162, 152
Fresson, E. E.: Monospar Memories (photo), 111
Fresson, E. E.: Mr Masefield's Old Friend (photo), 409
Fuller, D. C.: Swifts at Manston (photo), 257
G.C.S.: Airline Accident Ratings?, 1007
Gibson, M. L.: Up to Date with London's Airports, 593
Goodfellow, P. W.: Solents and Sandringhams, 22
Graduate: Taxi Fare or Bus Fares?, 626
Gray, L/Cdt S.: Out-to-grass Swift (photo), 517
Haddock, A.: Naming the ACV, 1007
Hadekel, R.: Viscounts for China, 458
Haessler, Helmut: Defining Man-powered Flight, 626
— —: Firsts in Manpowered Flight (photos), 256
Haggard, J. V. A.: Naming the ACV, 1007
Hancock, S. R.: Crosby-on-Eden History, 188
Hillman, Peter G.: FAA DC-7, 187
Horton, K. F.: A Fox Moth in America (photo), 757
Hunt, Leslie: Preserving an Anson (photo), 186; amendment, 257
—, —: Show-business Flying (photo), 370; (photo), 594
—, —: Under Three Brass Balls (photo), 756
Hurren, B. J.: Major Oliver Stewart, 518
Irwin, E. S.: Air-rider or . . . ?, 990
—, I.: American-registered Do28s, 112
Jeremiah: "Gadarene" Industry?, 187
Karant, Max: LAP Movements, 833
—, —: Mr Halaby's Mishap, 220
Kervell, B. C.: Boffin Genealogy, 626
Larsen, Torben: The Hammarskjold Accident, 340
Legal Eagle: Pilots and Money, 307
Lund, M. J.: Museum Missiles, 220
Magrath, D. J.: American-registered Do28s, 220
May, L. G.: Flight-test Instrumentation, 945
McAdam, J.: Philatelic Slip-up, 517
McCoach, G.: New York-Boston and London-Glasgow, 717
McIntyre, Bob: CF-104s at Cartierville, 219
Michaelides, P.: USAF Information Wanted, 518
Monoreality: Monorail Economies, 1008
Morris, G.: Kerosine or JP.4?, 487
Moss, Hilda M.: From a Schoolgirl's Diary, 1008
Mustard, D.: Halton "First Entry" Invitation, 518
Neumark, W.: Parachutes in Sailplanes, 151
North, M.: USAF Information, 757
No 12 School of Technical Training armament museum, request for assistance, 22
Pavillard, D. G.: Private non-Enterprise?, 186
Pocock, Nick: Cantacuzene's Flick Roll, 340
Pothecary, John: Robinson Redwing (photo), 834
Powell, Dennis M.: A Fox Moth in America (photo), 219
—, — —: Dive Bar, 717
—, — —: Mr Masefield's Old Friend, 805
—, — —: 727s for the "Big Four," 946
—, — —: Veteran DC-2s, 22
Pransky, Henry: Interocean's 3m Accident-free Miles, 593
Pritchard, E.: Cockpit Collision Warning, 517
Proctor, J. D.: Vertical Control, 369
Production Engineer: Selling Abroad, 487
Proudlove, David: John Yoxall, 878
Pugh, Alastair: Naming the ACV, 1007
Rawcliffe, Raymond: Pioneers on Film, 308
Regan, D. A.: Veteran DC-2s (photo), 151
Reid, David: Private Non-enterprise?, 308
Rickard, J. W.: Kerosine or JP.4, 756
Rigby, Wallis: A Handley Page Anecdote, 756
Rodwell, Robert R.: Selling Abroad, 487
Segall, A. L.: Cunard Eagle 707 Plans, 369
Shipley, E.: The Monorail, 946
Shocked: Luton Decibels, 370
Simpson, R. W.: Brantlys in Britain, 410
Sinclair, Peter F.: How Many Will Fly Foreign?, 369
Smith, Charles G.: Brinkmanship in Space, 516
—, F. H.: Air-rider or . . . ?, 990
—, — —: "Classified" or "Secret"?, 833
—, —: In Whose Bonnet?, 308, 458
—, — —: Space-age Discovery?, 946
Smy, K. F.: Malta Gladiator Echo, 834
Spierenburg, Isad: Happy Splinter, 805
Spurgeon, D. J.: Aft-facing Seats, 488
Stroud, John: Airline Schedule Keeping, 593
Stuart-Shaw, M.: CAA's Profits, 219
Surman, J. E. W.: Anomalies in Orbit, 834
—, —: Outer Space and Inner Conflict 990
Swinnerton, R. J.: Viscounts for China, 458
Tarring, John C.: Humber History, 112
Taylor, C.: Roger Bacon's Pension, 220
—, J. Lockwood: M3 or M2?, 370
Thomas, Peter F. M.: Airworthy Mosquito Preservation, 256
Traveller, Anxious: Glasgow in the Spring?, 878
Two Traffic Officers: RAF Aft-facing Seats, 409
Waller, Geoffrey: Who's Being Touchy Now?, 918
Whicher, L. S.: Airworthy Mosquito Preservation, 67
White, L. C.: Private Pilots and London Control, 112
Williams, F. G.: Cockpit Collision Warning, 307

Williamson, R. C.: Private Non-enterprise?, 111
Wilson, Roy: Red, not Green, 111
Wingate, Denys: How Many Will Fly Foreign?, 340
Wings: "Gadarene" Industry?, 409
Wynn, Humphrey: USAF Information, 757
Yates, Alan: Cabin'd and Confined, 1007
Young, Barbara: Hats Off at LAP, 918
—, J. R. C.: Man-powered Flight, 833
Light aircraft manufacturers, agents and brokers, 441
— —, performance and prices (table), 446
— — radio (illus article), 442
Lisbon Portela Airport, jet runway near completion, 429
Liverpool Airport, MoA statement on public investments in, 320
Lockheed Aircraft Corporation, annual report, 500
— — — /Short, F-104G VTOL derivative for NATO, 116
— Propulsion Company, expansion of, 954
— C-130, CMC Doppler for, 313
— C-140 (photo), 344
— C-141 sub-contracts announced, 116; named StarLifter, 748
— CL-475 (photo), 233
— F-104G Starfighter, first flight of Fiat-produced (photo), 960
— F-104J Super Starfighter, first flight of Japanese version, 599
— helicopter projects (illus desc), 323
— Hummingbird (illus desc), 510
— JetStar, Bryce, G. R., sees (photo), 502
— — for Canadian Department of Transport (photo), 351
— — in London (illus report). 484
— Neptune and Orion (photo), 112
— —, RAAF deliveries begin (photo), 483
— U-2 accident statistics, 345
— —, Capt. Powers released, 232; tells his own story (photo), 417
— — crash, 39
London's Airports, Commons debate, 916
London (Gatwick) Airport, closed-circuit television, 429
— (—) —, hotel project, 606
— (—) —, landing fees waived on positioning flights from Heathrow, 606
— (—) —, passenger, baggage and freight handling facilities, MoA requests tenders, 239
— (—) —, progress report on improvements, 390
— (Heathrow) Airport apron services staff takeover by BEA begins, 320
— (—) —, car park charges increases, 506
— (—) —, history (article in SLAE journal) reviewed, 745
— (—) —, new multi-storey car park (drg), 886; cost announced, 965
— (—) —, 1961/1962 profit report, 854
— (—) —, No. 3 passenger building in use, 506; problems, 541
— (—) —, peak passenger capacity restriction, 198
— (—) —, progress report on improvements, 390
— (—) —, short-haul terminal alterations, 159
— (—) —, snowbound (photo), 70
— (—) —, VIP suites renamed, 74
— Gliding Club, annual dinner and dance announced, 181; report, 314
— School of Flying, expansion, 25
— — — —, instrument flying rule at Elstree, 804
Look and Learn, brief details, 40
Los Angeles Airways Sikorsky S-61 (photo), 470
Lourdes, air pilgrimage to, 760
Lucas Gas Turbine Equipment Ltd, Empire Test Pilots School visit (photo), 807
— (Industries) Ltd, Joseph/Avco agreement, 154
Lufthansa, annual report, 70
—, Boeing 707, repeat order, 33
—, expenditure, 544
—, heavy loss for 1961 likely, 320
—, noise-absorbing hangar (photo), 242
— /Seaboard, freight agreement, 70
—, South African services, 349
—, traffic rights granted, 645
—, Viscount, eleventh and last delivered, 124
Lufttransport Unternehmen Friendship (photo), 31
Lundberg, Bo (author), 507, 607
Luton Airport, airlines using for diversions, 348
— —, appointments, 930
— —, new lighting installed by Osram (G.E.C.) Ltd (photo), 853
Luxembourg Airlines DC-4 (photo), 505; further details, 542

M

MPM Group, Currie Wot purchased, 486
Macchi, executive studies under way, 958
Macdonald, Douglas J., man-powered rotorcraft (photo), 407
—, Ian (photographer), 165, 247
Mackey Airlines, DC-6B (photo), 747
Madair, new Madagascan carrier, 162; DC-7C (photo), 772
Malayan Airways Britannia on lease from BOAC (photo), 320
— —, Friendship order reported, 159; confirmed, 349
Malev, new Budapest-Helsinki service inaugurated, 965
Man-powered aircraft, design philosophy of, illus report of lecture on, 253
— — — —, Hatfield exhibits, 811
— — — —, Puffin, secrecy over lecture on (S & L), 216
— — — —, RAeS meeting on (table), 365
— — — —, Skybike (photo), 486
— — — —, South African (photo), 39; further photo, 181
— — — helicopter (photo), 520
— — — Rotorcraft (photo), 407
Manchester Airport, BEA loses case against, 28; new terminal building (photo), 964
Mandated Airlines, Piaggio P.166 (photo), 73
Marconi Instruments Ltd, Cook, F. G., and R. Chaffey, appointments, 191
— — —, Furnival, Capt. J. M., death of, 266
— — —, Gardner, I. G., appointment, 406
Marconi's Wireless Telegraph Co Ltd, Doppler for Mirage, details, 341; Dassault visit (photo), 762
— — — — —, Mockford, F. Stanley, retirement (photo), 110; death of (photo), 110; death of (photo), 406
Mariner B, Mars satellite (photo), 841; two flights to Venus planned (photo), 987
Martin Marietta Corporation, SNAP-11 contract, 412
— spacecraft simulator (photo), 753
— -Baker Aircraft Co Ltd, book to contain names of all users of ejection seat being prepared, 270
— — — — — —, rocket ejection, first live test (photos), 420
— — — — —, Tie Club Dinner, 154; photo, 230
Mastermodels Ltd, CL-44 model (photo), 544
Matra R.530, production photo, 528
Max Holste Super Broussard MH-262, first flight, date revised, 544
— — — — —, Nord progress report, 199; maiden flight, 277; photo, 386; circular section fuselage (photo), 429
— — — — —, TAP interest in, 429
May, Daryl (author), 357, 392
Measurement and Control announced, 191
— — —, Minneapolis-Honeywell automatic system checkout equipment article, 196
Mechanism Ltd, power-loss indicators installed in BEA Comet 4B, 843
Medium-haul transport market, profitability of, 427
Mercury-Atlas 5, Spacecraft Log, 9; photo from capsule, 182
— — — MA-6, details, 140; flight postponed, details of John Glenn (photos), 182; further postponement, 221; illus desc of spacecraft, 224; photo launching site, 258; illus desc of tracking and control system, 260; astronaut visits President Kennedy (photo), 301; successful (illus report), 333; Spacecraft Log, 335; Leader, 311; photo, 312; S & L, 322; souvenir stamps (photo), 371; press conference (illus report), 373; John Glenn's own story, Part 1 (illus), 414; Part 2, 448; spacecraft to be exhibited in London, 681; exhibited in London (drgs), 837
— — — MA-7, details and photo, 837; three successful manned orbits, details and photos, 871; photo of balloon released by Carpenter, 952
—, lifebelt for capsule, 105
— spacecraft, details of two-man version, 66
—, third astronaut named, 528
Merewether, Hugh (author), 281
Metalastic Ltd, silver jubilee, 718
Meteor SpA, P.1 target drone demonstrated to French and German armed forces, 1030
Meteorological Office, rockets exhibited at Physical Society (photo), 140
Metroc, details and photo, 185
Mexicana, Comet payments behind, 743; further details, 816; Hawker Siddeley to secure their interests, 850
Mexico, airline mergers under Aeromex, plans for, 83; no further details, 743
Middle East Airlines, Comet 4C, possible repeat-order, 425; Sheikh Alamuddin discusses with DH, details and photo, 468
— — — /Cyprus Airways link-up denied, 604
— — —, Kuwait Airways to charter Comet 4C, 846
— — —, LAP manager (photo), 389
MiG-21, interest in India reported, 766; further details, 884
Miles Electronics Ltd, simulators on show, 919
— Gemini flight from Lympne to Lusaka, details and table (photo), 99
— Whitney Straight Special, continental tour (illus article), Pt 1, 521; Pt 2, 630
Mini-Mustang, details and photo, 592
Minister of Aviation, Thornycroft, Peter, radio aids for private aircraft, report, 804

MINISTRY OF AVIATION:
Accidents to British independents, censorship criticized (Leader), 419
Aerodrome accounts 1960-61, 27; further details, 31
Aircraft braking characteristics carried out by Supermarine Swift, details and photos, 849
Airport representatives meeting at Liverpool (photo), 386
Airworthiness requirements for Club aircraft, 760
BEA Comet instrument fault, statement on (S & L), 216
Census of Civil air traffic completed, 930; second census announced, 999
Control zones announced, 189
Croydon Airport, statement on, 383
Foreign airlines, letter to travel agents on, 236
Grundy, AVM E.M.F., appointed Controller of Guided Weapons and Electronics, 873
Helicopters to be fitted with floats if flying over Thames, 888
Information Circular on lightning damage, 848
London (Heathrow) restriction on peak passenger capacity, 198
— (—) VIP suites renamed, 74
Near misses, reporting of, 469
Newcastle grant approved, 347
Order for two Beagle B.206 aircraft announced, 812
Pilots licence fees, 813
Radio for light aircraft, need for mandate (Leader), 75
Slush hazards (Leader), 37
Traffic figures for Britain's airlines 1960-61, 965
Turbulence, information circular on, 31
Yeadon, development plan rejected, 347; committee recommends go-ahead, 429
Ministry of Defence, land-air warfare demonstration (photo), 924; further photo, 958
Minneapolis Honeywell Regulator Co, Mercury capsule equipment, 379
— — — —, new radar altimeter, 633
Minuteman, Boeing receive further contracts, 105
—, fifth successful launch, details and photos, 336
—, first production, 714
—, second test silo launch, 66
—, successful launch (photo), 223
Missiles, surface-to-air, lethality, 411
Mitchell Hydraulics Ltd, Lisle, W. G., appointment, 230
Mitsubishi Heavy Industries, XMU2 to be built, 923
Model Aircraft Championship, first details, 923
Modern Industrial Finishes Ltd, Titanine acquires, 230
Monorail for city-centre-to-airport problem (illus article), 608; comments on Heathrow proposal, 851
Monsanto Chemical Co, synthetic dielectric fluid, 379
Morane Saulnier Paris (photo), 306
— — Rallye, air test of Super version (illus), 366
— — —, first UK sale, 486; formation (photo), 760; line-up (photo), 917
— — — production improves (photo), 25
Motor Cycle, The, Holiday number announced, 500
— —, —, Spring Number announced, 346
— *Transport, Car Fleet Management* announced, 234
Motorola Inc, NASA contract for spacecraft-tracking system, 223
— Aviation Inc/Smiths agreement, 633
Muller, P. (author), 859
Murphy Radio Ltd, new directors appointed, 1034
McAlpine Aviation, appointments, 230
— —, Piaggio P.166 for United Breweries, 99
— —, — —, two offered for lease, 180
— —, Rogers (Aviation), W. H. & J., appointed sales representatives, 180
McDonnell Aircraft Corporation, Brown, Admiral Charles R., appointment, 406
— /Breguet agreement, 960
— F-110 Phantom II, to visit Bentwaters, 848; photo feature, 974
— Phantom II, USAF order reported, 116
McMichael Radio, department set up for space research, 956
McMurdo Instrument Co Ltd, Aqualite details, 57

N

NAMC YS-11, initial flight date, 645
NATO, Crete missile training range, Greek Government statement on, 450
—, Exercise "Dawn Breeze," brief details, 483; *Victorious* and *Clemenceau* participation, 498; Shackletons re-arming (photo), 532; analysis, 674
—, NBMR-3 strike competition, 882
—, NBMR-4 transport competition, 883
—, V/STOL competition, Fiat/Süd-Gruppe agreement, 114; Lockheed/Short project, 116
Napier Aero Engines Ltd/Allegheny agreement for Eland Convairs, 645
— — — —, Gazelle, MoA development contract for, 344
— — — —, Varig conference, 829
— — — —, Paget, Sir John, to take chair at *Communication in Industry* meeting, 266
— & Son Ltd, D., Eland production to cease, 313
— Spraymat for Transall C-160, 843
Narco, DME sales, 149; S & L, 125
— UDI-2 DMET (photo), 404
— VT-4 emergency transmitter (photo), 404
National Aeronautics and Space Administration/AEC, nuclear rocket test site chosen 336
— — — — —, ATTC awarded system engineering support contract, 412
— — — — —, Chance-Vought awarded contract, 450

— — — — —, Jastrow, Dr Robert, to give lecture in London, 912
— — — — —, Manned Spaceflight Management Council set up, 105
— — — — —, Mercury network contract, 1030
— — — — —, military space projects, details and photos, 301
— — — — —, more pilots to be trained, 713
— — — — —, Motorola Inc, contract awarded to, 223
— — — — —, OAO, Kollsman equipment for, 105
— — — — —, OGO, experiments selected, 6; photo, 5; illus desc, 61
— — — — —, OSO (photo), 371; illus desc, 413; Spacecraft Log, 451; ceased to transmit, 1030
— — — — —, Paraglider contract to North American, 1030
— — — — —, Parasev (photo), 372
— — — — —, Project Fire (see under P)
— — — — —, spacecraft earth-landing and water-landing tests (photo), 447
— — — — —, spaceflight, cost of, report of lecture on (tables), 303
— — — — —, UTC awarded ablative thrust chamber contract (photo), 263
— — — — —, Vandenberg launch pad acquired, 411
— — — — —, world rocket range plan, 952
— Air Races announced, 486
— Airlines/Continental merger off, 203
— Fire Protection Association, 66th annual meeting described, 890
— Gliding Championships, details and entry list, 866; first report, 883; second report, 947; final report, 971
— Joint Council for Civil Air Transport, Scott-Farnie, G. R., appointed chairman (photo), 429
— Parachuting Championship, results and photos, 691
— Physical Laboratory, lift-fan work (illus desc), 767
Neal, Molly (author), 129
Nerva, test stand planned at NASA/AEC Jackass Flats site, 334
New Year Honours, brief details, 2; illus report, 54
— York Airways, first Vertol 107 delivered, 816
— — University, air transportation conference announced, 606
— Zealand, FU-24 manufacturing rights discussed with Flair Aviation, 196
— — National Airways Corporation, Harvey, Capt George, GAPAN award, 242
— — parachutists prepare for World Championships (photos), 831
Newton & Co., H. T., environmental connectors, 229; further details, 379
Nigeria Airways, Government investment in, 470
— —, Willis, Wg Cdr A. T. H., appointment (photo), 33
Nihon YS-11 (see under NAMC)
Nike-Cajun, US/Japan rocket shot, 713; photos, 751
— Zeus, financial suport controversy, 66
— —, firing unsuccessful, 450
— — for ICMB defence, statement on, 382
— —, interception of Nike Hercules successful (photo), 6
— —, successful interception of Nike Hercules, 498
Nimbus model (photo), 105
Noise, Idlewild-area property owners' case against PNYA, 33; further details, 119
—, jet, American property-owner awarded compensation, 389
—, —, night-flight restrictions eased, 162
Nord AS.30 (see under A)
— Aviation CT.20 ordered for use in Hawk trials, 450
— CT.41 success, 185
— Noratlas, further West German order, 233
— SS.11 (see under S)
— Super Broussard, progress report and possible buyers, 1002
— — Transall C.160, final assembly begins, 345
Nordair, Heralds, first delivered, 203; photos, 271; second delivered (photo), 427
—, two Boeing 707s bought, report, 888
Norfolk and Norwich Aero Club, instrument flying rule to be started, 804
— — — — —, open day announced, 486
Normalair Ltd, Bassett, Cdr F. W. N., to retire, 670
— —, French and German representatives visit (photo), 880
— —, Miller, W. T. C., appointed commercial director (photo), 843
— —, Rich, J. M., appointed sales manager (photo), 843
— —, Sichart, Franz, appointed German representative, 266
— —, VC10 equipment tests, 1033
North American Aviation Inc, Columbus Division, radome production, 150
— — — — rad-mes for USAF, 380
— — — — SnA formed, 405
— — B-70, US Secretary of Defence's statement on, 382
— — F-100 (photo), 810
— — Mustang, executive version (photos), 760
— — RS-70 to be re-examined, 463
— — X-15, emergency landing, 140
— — —, first flight of third, 5
— — —, further flights reported, 954; new altitude record announced, 1030
— — — (photo), 5; new programme, 668
— — —, record altitude achieved, 750; April 30th flight mystery explained, 873
— Atlantic, February load factor, 544
— —, low group travel fare may be introduced, 160; confirmed, details, 238; not yet approved by CAB, 348; passenger charter statistics, 350; CAB approval given, 389
— —, tour-based fare suggested by Thos Cook & Son, 33; Association of British Travel Agents place £70 return fare proposal before IATA, 203
— — traffic, estimates for future, 606
— — —, figures for 1961, details and table, 235
— — —, first quarter of 1961, 816
— — —, IATA statistics, 352; ICAO statistics (table), 504
Northeast Airlines, Hughes Tool Co gains control of, 118; approval by CAB, 999
North-South Airlines, state of, 274; wound up, 506
Northrop Corp, beryllium extrusions, 190
— —, new ballistic camera, 718
— —, RP-76-4 target drone, successful testing, 185
— N-156, winner of US Defence fighter-bomber competition (photo), 678
— Talon, climb-to-height records (photo), 313
Northwest Airlines, Electra crash, damages awarded, 999
— —, three Boeing 707-320Bs and two 720Bs ordered, 965
Nova, design proposals invited, 528
—, M-1 engine design and development discussed with Aerojet-General, 222

O

Ogilvie, Lt-Col Alec, death announced, 994
Okanagan Helicopters, Snell, Fred, appointment (photo), 277
Omnipol Moravas operated by Aeroflot (photo), 318
Osram (G.E.C.) Ltd, new lighting installed at Luton Airport (photo), 853
Oster Manufacturing Co, John/Ragonot agreement, 596
Owen, Kenneth (author), 63, 910, 947, 980, 1027
Ozark Air Lines/Central Airlines, report of possible merger, 816; further details, 999

P

Pakistan/US, first joint launching, 1030
— Air Force, F-104C Starfighters purchased (photos), 422
— International Airlines, air bus services (illus article), 275
— — —, Boeing 707-320B (photo), 543
— — — Boeing 720B, London-Karachi record attempt, 33; details and photo, 69; report, 84; photo, 82
— — —, Chitral air bus service (illus article), 455
— — —, DC-3s sold to Ethiopian Airlines, 428
Pall Corporation, micronic cloth, 405
Palmer Aero Products Ltd, R-R Conway equipment (photo), 230
— — — —, stainless-steel pipe corrugating machine (photo), 956
PAN AMERICAN WORLD AIRWAYS:
/Air-India agreement, 506
Boeing 707 landing incident at Manila, 748
Boeing 707-320B (photo), 163
/Braniff agreement, 748; London-Houston service announced, 999
Cargo jets ordered, 705; photo, 748
Jersey cattle flown to US (photo), 853
Negotiations for purchase of Convair 880s, 645
1961 annual report, 813
Traffic figures for 1961, 124
/TWA talks about possible merger (table), 774; illus article, 962
Paris Show, 1963 announced, 678
Peak Sailplanes Ltd, Peak 100 (g.a.), 520; illus desc, 867
Permali Ltd, telephone number change, 880
Pershing, successful launch (photo), 223
Persian Air Services, Electra leased from KLM, 162
Peter S. Clifford & Co Ltd, Hayward, D. E., appointment, 956
Petre, Maj H. A., death of, 679
Phaeton Satellite, photo, 713
Philippine Air Lines, Barretto, Col Renato L, elected president (photo), 200
— — — Boeing 707 Manila-Honolulu services, 162
— — —, DC-8, loan sought for, 606; order postponed report, 707
— — —, introduction of DC-8 services, date announced, 852
Philips Organization, Friendship delivered (photos), 599
Piaggio P.166 for United Breweries, 99
— — military version (photo), 232
— P.166B photo, 995
— Douglas Vespa-Jet (illus desc), 367; Vipers ordered for, 382
Piasecki Airgeep (photo), 463
— 16H, first flight (photo), 344
Piccard, Prof Auguste, death of, 463
Pike, Iain (author), 89; 175
Piper Aztec B, arrival in Britain, 520; first delivery, 721
— Cherokee, C.S.E. handed over to Despatch Motor Co (photo), 254
— — Seaplane (photo), 116
— Comanche, Florida-Stockholm flight (photo), 99
— Pawnees for Argentina (photo), 87
— Electronics Division, PTR-1 VHF receiver, 265
Plessey Aircraft Equipment Group, appointment, 956
— Co Ltd/Illinois Tool Works Inc agreement, 110
— — —, Soy, A. W., appointment, 496
— — —, Trowbridge, D. R, appointment, 496
— — —, Wernher, Sir Harold A, appointed deputy chairman, 920
Plymouth Aero Club, air rally announced, 760
Poland, aircraft industry's progress (illus article), 14
Polaris A-2 (photo), 411
—, "draw-string bag" catching system (photos), 305
—, live shot soon, 714; first live firing, 800
—, United Aircraft Corp receive order from GEC of New York for equipment, 66
Polish Air Force Association Benevolent Fund, appeal, 884
Polypenco Ltd, Tyzack, J. E. V, board appointment, 230
Popular Flying Association, annual rally announced, 760; fly-in announced, 811
Port of New York Authority, Idlewild-area property owners sue for damages, 33; further details, 119
Potez-Heinkel CM.191 (photo), 463
—, Irish factory, 77; further details, 154; 840 production, 645
— 840, illus air test, 988
— —, second prototype nearing completion, 429
— 880 project, details, 3
— 881 (drg), 116
— Magister, Armée de l'Air utilization, 270
— —, CM.170-3 version, brief details, 269
Power Auxiliaries Ltd, control room for test rigs (photo), 460
Powers, Capt, released, 232; tells his own story (photo), 417
Pratt & Whitney Aircraft, awarded contract to develop SNAP 50, 843
— — —, *Guardian* advertisement for staff (S & L), 174
— — — JT3D-3 receives FAA type certificate, 239
— — — JT8D, to power Saab-37, 882
— — — — Co Inc, "Tape-O-Matic" drill, 110
Preston, Col R. L., sale of prints and drawings, 346; further details, 464
Prestwick Airport, new control tower to be opened, 606; first useage reported, 708
Pritchett & Gold and EPS Co Ltd, Roberts, E. J., retirement announced, 956
— — — — — —, Sywell exhibit, 596
Private and Executive Flying review (illus), 430
— View (by P.P.O.), 24, 98, 337, 364, 675, 870, 917
Project Anna, launch attempt failure, 800
— Beacon, five-year US air traffic programme, report, 850
— Fire announced, brief details, 336; contract for Republic, 602
Pugh, Alastair (author), 275
Pullin Optical Co Ltd, Linhof camera (photo), 670
Pye Telecommunications Ltd, exhibits at British Exhibition at Stockholm, 843
— — —, ILS for Athens, 190
Pyrene Co Ltd, details of equipment installed in VC10, 843
— — —, hand fire-extinguishers, 496
— — —, Trident fire-protection equipment, 190
PZL M-4 Targan, first details, 848

Q

QANTAS EMPIRE AIRWAYS:
Alexander, Air Cdre James, UK appointment, 124; photo, 158
Electra disposal reported, 389
Queen's Flight, Fielden, Air Cdre Sir Edward, to retire from captaincy (drg), 192; appointed Captain and Extra Equerry, 195
— —, Heal, Gp Capt. P. W. D., appointed Deputy Captain, 874
— —, Mitchell, Gp Capt A. D., appointed captain (photo), 338
— —, utilization, 848

R

RCA (Great Britain) Ltd, Type 3A radar for Royal Swedish Air Force, 806
R. F. D. Co Ltd, life-saving equipment supplied to VA-3 Hovercraft, 880
— — —, lives saved by equipment, 380
Racal Engineering Ltd, Panfax system, 150
— — —, SA.509 tachometer for civil powerplant checking, 530
— Instruments Ltd, Type SA.509 tachometer, details, 342
Radiation hazard to pilots, IFALPA's monitoring, 71
Radio astronomy, committee formed to advise Government on, 66
Ramsden, J. M. (author), 10, 197, 465, 641, 709, 770, 817, 925, 962

Ranger 3 (illus desc), 144; launched, misses Moon (drg), 182; further details, 221
— 4, launch due (photo), 668; destroyed on Moon (photo), 682
Rank Cintel Division, co-ordination in Avionics Group, 459
Raytheon Co Commercial Apparatus and Systems Division, magnified welding technique (photo), 1034
Record of World War I fighters available, 40

RECORDS:
Auriol, Jasqueline, closed-circuit record submitted to FAI, 994
B-52H distance record submitted, 922
B-58A Hustler transcontinental (photo), 382
Bell helicopter records submitted, 679
Cochran, Jacqueline, 49 record claim, 679
DC-8-50 nonstop flight, 348
Flockhart, Ron, Mustang for second Australia-UK attempt (photo), 365; departure date, 520; death of, 599
Glider height, 128
PIA Boeing makes London-Karachi attempt, 33; details and photo, 69; report, 84; photo, 82
Phantom 2 time-to-height, 420
Sikorsky HSS-2 speed, 233
Soviet flying-boat (August 7, 1961), further details, 38
Tupolev Tu-114 claims five world records (photo), 744
UK free-fall parachute, 194
USAF Talon time-to-height (photo), 313
USN Sikorsky HSS-2 speed, 39
Vulcan London-Aden, 498; photo, 590
Redifon Flight Simulator Division, details of new simulator (photo), 879
Reilly, Mike, death of (photo), 78
Rent-A-Copter Ltd, slight name change, 150
Republic Aviation Corporation, Kartveli, Alexander, retires, 884
— — —, Project Fire contract awarded to, 602
— /Fokker D-24 Alliance, details, 759

REUNIONS:
Avro 504 Club, report, 534
Canadian Pathfinder, message from Churchill, 264
Coastal Command announced, 309
HQ Bomber Command Association of Officers announced, 632
No 23 Sqn announced, 453
— 38 Group Old Comrades announced, 146
— 46 Sqn announced, 632
— 56 Sqn announced, 102
— 60 Sqn announced, 535
— 194 Sqn announced, 368
RN Seaplane Bases, Port Said and Alexandria Old Comrades' Assn announced, 483
Rheinflugzeugbau GmbH/de Havilland agreement, 748; further details, 843
Rhodesian Air Services Ltd, DC-4 acquired for charter work, 999
Riddle Airlines, Argosy performance and Logair contract, 389
— —, Logair cutbacks, 705
— —, Whitworth Gloster to buy back Argosies (photo), 814
Robot 304, Sweden's statement on possible foreign orders, 105
Rocketdyne F-1, first full-duration firing (photo), 954
Rogers (Aviation), W. H. & J., Piaggio sales representatives, 180
Rolls-Royce Ltd, Aero Engine Division changes, 195; photos, 266
— — —, annual report, 959
— — —, Conway, details released of overhaul life, 1002
— — —, exports 1961, 531
— — —, Heenan & Froude test-beds for Continental, details and photo, 496
— — —, Huddie, D. P., appointment, 110; photo, 76
— — —, jet-lift engines to power Dassault Balzac and Mirage IIIV, 764
— — —, jet-lift erosion research (illus article), 355
— — —, Kelley, A. F., appointment, 110; photo, 76
— — —, Lufthansa Conway flame-tube being inspected (photo), 531
— — —, Pearson, J. D., statement by, on economics, 883
— — —, plastic lift engine, 382
— — —, RB.162, tri-nation agreement for development of, 312; photo and details, 882
— — —, RB.180 reported, 383
— — —, redundancies announced, 535
— — —, Societe Rateau to sue, 846
Rome, Fiumicino Airport, report of enquiry, 72
Rooibok Air Charters (Pty) Ltd, cheap flights between London and South Africa, 69
Rotax Garrett Ltd, AiResearch ADC, details and photos, 228
Rotorcraft Ltd, Grasshopper details and photo, 637
Rover, Catalytic Construction Co awarded contract, 305

ROYAL AERO CLUB:
Ames, R. A. S., appointed aviation secretary, 764
Annual awards, 154
Aviation Centre to close, 500
Britannia Trophy presented (photo), 592
Dinner for King's Cup winner, 155
International Business and Touring Aircraft Competition announced, 486
Louis Breguet trophy awarded to Dr Hislop, 499
Mikes Mug awarded to Colin Chapman (photo), 804
Wiggins, Douglas, appointment, 764

ROYAL AERONAUTICAL SOCIETY:
Air transport course at Oxford announced, 239
Annual conference on aircraft icing problems, 829
Awards, 383; further details, 422
Barwood, Florence, retirement announced (photo), 996
Belfast branch prize awarded, 680
/BIS joint symposium on economics of astronautics, report (tables), 303
Formation of Man-Powered Aircraft Group, 861
Helicopter garden party not to be held, 811
Lectures (see under "Lectures" heading)
Seventh Air Transport Course (photo), 708
Shenstone, B. S., appointed new president, 764
Symposium postponed, 599

ROYAL AIR FORCE:
AS.30 to be purchased, 223; further details, 538; ordered, 714
Aden "at home" announced, 453
—, Hiswa transmitting station becomes operational, 632
—, Keiller brothers help casualties in, 754
Air Services Appropriation Account, report on, 464
Aircrew recruiting, Air Ministry statement on, 146
Akrotiri hospital, Princess Royal visits (photo), 453
— parachute training school, 227
Amery, Julian, to see bases abroad, 982
Anniversary Concert announced, 227
Argosy C 1, first delivered to Transport Command, 418; utilization, 421; photo, 422; illus report, 452; second squadron formed, 914
Art, Photography and Handicrafts exhibition, opened, 844
Avro 748MF at Martlesham Heath (illus article), 217; S & L, 174; order for, 312; Commons questions on, 535
Barnett, Air Marshal Sir Denis H. F., appointed AOC-in-C Near East, 754
Benevolent Fund, Air Ministry contribution, 674; further contribution, 944
— —, donation from Desert Locust Survey, 368
— — expenditure, 716
— —, McHardy, Rev Dr Archibald, re-elected chairman of Scottish branch, 36
— —, RAFA Battle of Britain week contribution, 309
— —, Royal Tournament proceeds, 591
Biggin Hill to be Selection Centre, 483
Bomber Command, Dixon, Sqn Ldr J. C., receives Air Council award, 264
— —, Italian Minister of Defence visits, 483
— — trophies presented, 599; further details, 674; photo, 716
— — Vulcans (photo feature), 514
Central Fighter Establishment, tactical convention announced, 532
— Flying School, Air League award to, 4
— — —, award to chief technician for tool, 309
— — —, changes in this year's aerobatic team (photo), 808; formation photo, 936; team members (photo), 944
— — —, first Gnat handed over, 195; photo, 234; further details and photo, 264; further order, 420
— — —, given freedom of Cheltenham, 716
— — —, museum to be established, information requested, 60
— — —, to receive freedom of Cheltenham, 102
Changi, new terminal building in operation, 338
Cleverley, Cecil, retirement, 368
Coastal Command, Gnome-Whirlwinds for, 264
—, maritime air operations meeting, 368
— —, RCAF AOC Maritime Air Command visits, 192
College, Cranwell, passing-out parade, Lord Bandon's speech, 36
—, —, USAF visit, 590
Commands, illustrated feature, 782
Cordingley, AVM Sir John, retires as Controller of Benevolent Fund, 944
Dunning Memorial Cup winners, 102
Eastleigh, Duke and Duchess of Gloucester visit, 368
Enlistment figures for January, 483
Exercise Life Line, details, 60; illus report, 147; further photo, 146
Felixstowe closing ceremony announced, 874
Fighter aircraft over 21 years (photo), 766
— Command, Clayton, AVM G. T. B., appointment, 60
— — to enter AAFCE gunnery contest, 914
Flying clothing equipment tests, 591
— College aerobatic team (photo), 844
— — Association annual dinner announced, 483
— Training Command, Ayling, Air Cdre R. C., appointed SASO, 483
Fraser, AVM H. H. MacL., death of, 192
—, Air Marshal Sir Paterson, appointed Inspector-General (photo), 808
Gan model of (photo), 102
Gliding and Soaring Association, 1960-61 report, 181
Hamburg flood relief work, 338
Helicopter training at Redhill, end of first course (photo), 309
Herald at Akrotiri (photo), 60
—, statement on, 195; Commons questions on, 535
Hornchurch, Spitfire offered to Kingsford Smith Memorial Collection, 36
Inventors to get larger awards, 754
Khormaksar, quarters for transit aircrew completed, 227
Kinloss given Freedom of Forres, 944
Laarbruch, dining-in night (photo), 418
MacDonald, Air Marshal Sir William L. M., appointed RAF commander Cyprus, 754
MEAF, Tanganyika relief work, 309
McGregor, Air Marshal Sir Hector, appointment (photo), 500
Meteor memorial at Tengah, Singapore (photo), 1032
Missile equipment, Air Minister's comments on, 309
— Station (Gordon Horner drawings), 784
Morris, Air Marshal Sir Douglas, appointment (photo), 500
NEAF, Crawford-Compton, Air Cdre W. V., appointment, 368
Nelson, AVM S. R. C., appointment (photo), 590
New-year promotions, 60
No 1 Initial Training School, canoe trip for initiative test, 591
— 1 School of Technical Training, graduation parade, 36
— 4 School of Technical Training, Queen Mother to visit, 483
— 38 Group, Wykeham, AVM P. G., Hunter sortie in Exercise Life Line (photo), 192
Operational Requirements (Leader), 497
Parachute record, 194
Pathfinder Association annual dinner, 754
Pike, Air Chief Marshal Sir Thomas, American and Far Eastern tour, 590
— — — — — —, promoted, 632
— — — — — —, visit to Eastbourne College, 982
Rescue in East Pakistan jungle, award for Mr. Charles Chrisp, 453
Russell, Admiral J. S., congratulatory message for RAF, 716
2nd ATAF, Strong, Air Cdre D. M., appointment, 60
Selway, Air Marshal Sir Anthony, appointments (photo), 500
Seventh anniversary concert, 754
Shackletons in Libyan rescue search, 591
— replacement for Coastal Command, unofficial report, 678
Skybolt, joint trials force, 104; further details, 264
Small Arms Association championships results, 532; photo, 590; photos, 1032

SQUADRONS:
1, Hunter T.7, Mr. Amery flies in (photo), 632
2, 50th anniversary, 532
6, Canberra B.16s (photo), 808
9, Dodd, Gp Capt F. L., delivers first Vulcan B.2 (photo), 754
15, first ex-Cranwell crew members (photo), 532
18, Queen's Commendation awarded to pilot, 36; standard presented by Princess Margaret, 982
20, new mascot, 591; Hunters sent to Thailand, 846; photo, 914
23 Javelins make England-Cyprus flight, 453
38, Caribbean visit, 716
—, Duke of Gloucester to present standard, 146
—, Shackleton (photo), 264
43, Goodwill visit to Greece, 944
55, standard presentation announced, 808
56 Lightning (photo), 338
57 history, information requested, 309; standard presentation announced, 808
72, Belvedere, Coventry Cathedral work, 636; photo, 679; crew photo, 716

74, to provide aerobatic team, 674; Botterill, Sqn Ldr P. G., CO (photo), 808; to take part in Royal Norwegian Air Force 50th anniversary, 874
92, AAFCE air firing competition won by, 1032
101, Princess Margaret to present standard, 338; standard presented, 882; photo, 1032
103, black swans adopted (photo), 227
105, second Argosy squadron, 914
111 Lightnings (photo), 591
—, to lead Queen's birthday fly-past, 874
201, Shackleton search for missing boat, 102
204, three Shackletons based in Jamaica, 338; return, 590
206 Shackleton, medical supplies flown to Swedish ship, 227
214, Sir Alan Cobham presents trophy to, 418
220 history, information requested, 227
225, Nord missile fired by helicopter, 1032
228 Whirlwinds rescue Canberra crew, 368
233 history, request for information, 36
— Valetta in Somalia flood relief work (photo), 4
242 history, information requested, 309
Staff College, Lee, AVM D. J. P., appointed commandant, 102
Tanganyika food drop, 591
Transport Command Britannia interior (photo), 483
——, Comet 4C deliveries begin, 192
——, new exercise areas, 309
——, 1961 trooping figure, 483
Troping, cost of, details and table, 202
V-bombers, credibility in slush conditions (S & L), 51
Valiant takes block of stone from Bury St Edmunds to Chicago church, 77
Victor training sortie (illus article), 247
Vulcan landing at Luqa (photo), 60
Walker, Air Marshal G. A., first solo helicopter flight, 309
Whirlwinds, Gnome (photo), 453
Whitworth, Air Cdre J. N. H., appointment, 264
Wildenrath, German boys visit (photo), 368
Willis, Gp Capt C. V. D., appointed Commandant of the RAF Staff College, 874
Wykeham, AVM P. G., Ministry of Defence appointment, 420

Royal Air Forces Association, commemoration service, 591
————, Harvey, Air Cdre Sir Arthur Vere, appointment, 368
————, next year's conference announced, 914
————, Whit-Monday displays announced, 914; Bulldog photos, 960; report, 982
——Force Escaping Society, Dutchmen entertained by, 914
————Regiment, Godfrey, Air Cdre K. W., appointed Commandant-General, 944
— Aircraft Establishment, Farnborough, electrical flight control development, 459
————, —, new departments, 1; further details, 5; photos of departmental heads, 66
————, —, satellite-tracking camera, 184
————, —, /Siebe Gorman pressure suit, details and photos, 148

ROYAL AUSTRALIAN AIR FORCE:
Canberra base named, 591
Caravelle order reported, 418
Fitter, Wg Cdr W. R. (photo), 102
Ford, Gp Capt N., appointment (photo), 36
Lockheed P2V-7 Neptune deliveries begin (photo), 483
Mirage 3C, further order reported, 346
Sabre at Bangkok (photo), 944
—, last complete acceptance trials, 418
New search and rescue squadron formed, 632
Swain, Sgt M. S., awarded GM, 914
Tacan ordered, 421; locations, 595

Royal Australian Navy, missile ships to be purchased, 104
————, Westland P.531 order, 146
— Auxiliary Air Force, 601 (County of London) Sqn, standard laid-up (photo), 36

ROYAL CANADIAN AIR FORCE:
Bomarc base at North Bay officially taken over by, 223
C-119 (photo), 102
CF-101B squadrons soon to become operational, 632; photo, 754
CF-104 (photo), 309
Clements, Air Cdre W. I., visits Coastal Command, 192
Dunlap, Air Marshal C. R., appointed new CAS, 754
McKee Trophy awarded, 418

Royal Canadian Navy, annual efficiency award, 716
————, Grumman Tracker (photo), 590
— Flying Corps, 50th anniversary exhibition announced, 155; remembrance service, 338; equipment requested for exhibition, 346; colour feature, 361; details of celebrations, 598; further details, 674; Lancaster reception announced, 754; anniversary issue, Leader, 763; message from CAS, 775; aircraft models (photo), 847; details of Upavon display, 922; photos, 959; illus report, 968

Royal Malayan Air Force, Prestwick Pioneer order, 77; Twin Pioneers handed over (photos), 114
Royal Naval Air Service, Admiralty seeks veterans, 532
Royal Navy (see also under Fleet Air Arm)
——, Boyd Trophy awarded to Whirlwinds aboard HMS *Protector* (photo), 874
——, Buccaneer S.2 order, 38; Dowty and Boulton Paul equipment for, 77
——, Bullpup order reported, 258
——, Dreyer, Vice-Admiral D. P., flight in Herald (photo), 982
——, 890 sqn Sea Vixen crew picked up, 808
——estimates, 421
——, 50 years' Naval aviation (illus feature), 796
——, flying the Buccaneer (illus desc), 1003
——, 14 Hiller 12Es ordered, 848
——, *HMS Fife*, fifth County-class missile destroyer laid down, 983
——, Hovercraft Trials, 345
——, John, Admiral of the Fleet Sir Casper, appointed First Sea Lord, 874
——, Kenya flood relief work by helicopters, 146
——, Nord SS.11 ordered by, 714
——, Richardson, Commander S. J. A., death of, 264
——, RNAS Yeovilton given freedom of Yeovil, celebrations, 1032
——, Smeeton, Vice Admiral R.M., appointed Deputy Supreme Allied Commander Atlantic, 914

ROYAL NEW ZEALAND AIR FORCE:
DC-6 fire, RAAF escort for 120 miles, 309
Morrison, Air Cdre I. G., appointment (photo), 453
RNZAF News supplement published to mark 25th anniversary, 914
Silver Jubilee, Mr. Amery's message on, 590
25th birthday, congratulations from RAF (photo), 754

Royal Norwegian Air Force, Vulcan visit to mark 50th anniversary (photo), 923; details of celebrations, 944
—Observer Corps, 2 Group, new HQ opened, 632
————, 21 Group, new HQ, 674
————, underground posts, 453

ROYAL RHODESIAN AIR FORCE:
Hunter order, 268; further details, 338
Silverware presented by John S. Schlesinger (photos), 36
— Society, Hooker, Dr S. G., elected a Fellow (photo), 421

Royal Swedish Air Force, eight SAAB Draken to make training visit to Coltishall, 874; photos, 922
—Tournament, Reed, Sqn Ldr J. A., requires veteran car, 844

Royston Instruments Ltd, Midas, progress with, 34; further details (photo), 1033
Rush, D. A. (author), 976
Ryan Aeronautical Co appointments, 191
——, —— Flex Bee surveillance drone (photo), 996
——, ——— Wing concept, USMC study contract, 39; photo, 996
— Electronics, Doppler ordered by Japan, 341

S

SAM DC-6B crash near Avezzano, 389
SFERMA/Beechcraft Marquis in Britain, 536
SIPA, Caravelle seat production, 595
SNECMA Atar Volant added to Musée de l'Air, 196
SS.11, RN order, 714
Saab-37, Pratt & Whitney JT8D selected as power plant, 882
— 105, Swedish Air Force to sponsor (g.a.), 4
Sabena, Boeing 707 accident (1961), damages filed against, 277; damage suits against Boeing, 320
—, Caravelle cargo container (photo), 352
——forced down by Russian fighters, 39; further details, 85
——, statistics for first year of operation, 429
——6 (photo), 347
Sacred Cow, The, given to Smithsonian Institution, 39
Safe Flight Instrument Co, SCAT approved by FAA, 529
San Francisco & Oakland Helicopter Airlines, third S-62 delivered, 748
Satellite, Communications, Commonwealth conference on, 523
——, ——, GPO statement at Cornish conference on, 411
——, ——, Postmaster-General's statement on, 372
——, ——, London Conference (Leader), 497
——, ——, photo, 910
——, ——, US bill on, presented to Congress, 258; plan goes ahead, 800
——, Japan/UK TV test to be made, 954
——-tracking stations, negotiations nearing completion between US and Australia, 873
——, US/UK, joint discussions at Goddard Space Flight Center (photo), 221; Westinghouse to build UK-2, 528; S-51 details and photos, 537; Leader, 597; illus desc, 611; launch delayed, 600; photo, 668; launched, 712; transmissions continue, 749; Spacecraft Log, 839; still functioning, 883; progress report, 952; electronic pack (photo), 954
Saturn, details and photos, 617
——, second launch vehicle reaches Cape Canaveral (photo), 411; second launched (photo), 681
— C-1, first launch (colour photo), 616
— C-5 chosen for lunar programme, details and photos, 103
— S-4B announced, 65
Saud, King, Comet 4C delivered, 999
Saunders-Roe Ltd, Trident simulator equipment, details and photos, 495
————, Princess, MoA statement on sale to America, 811
Scanair, DC-8 purchase considered, 239

SCANDINAVIAN AIRLINES SYSTEM:
/Aeroflot talks adjourned, 349
Brazil bans jet flights to, 74
—, re-negotiation of agreement with, 424
Convair 990 Coronado (photo), 643
——, Swissair-leased, delivery due, 72; own order cancelled, 85
Co-operation with Thai Airways, 930;
Convair 990 in combined markings (photo), 1002
JAL to employ 54 crews a month, 277
Nilsson, Karl, appointed president (photo), 748

Scintex Super Emeraude, first-flight report, 804
Scotland, probable Scottish Airport Authority to be started, 772
Scottish Aviation Ltd, 1961 report, 190
————, Skyraider conversion contract from Sweden, 233
————, Prestwick Pioneer, RMAF order, 77; Twin Pioneers handed over (photos), 114
————, Twin Pioneer, Austrian (photo), 122
Scout, second ionospheric probe launched, 600
— 8 for re-entry test, details and photos, 226; two Arcas firings in support of, 305; successful, 372
Seaboard World Airlines, annual report, 998
————, Canadair takes 5 per cent holding in, 272
————, CL-44 transports computer (photo), 503; transports Rover T.4 car (photo), 644; two more CL-44s ordered, 888
————, — utilization figures, 278
————, Hawtin, G., appointment (photo), 199
————/Lufthansa freight agreement, 70
Seaplane Club, Admiralty grant authority to operate from Lee-on-Solent, 255; first machine due to fly, 520; general meeting announced, 1031
Seaslug (illus desc), 142
Seekings, John (author), 204, 243
Selenia, equipment for Norway and Sweden, 149
Servicos Aereos Cruzeiro do Sul, Caravelle order announced, 998
Servo Consultants Ltd, punched card reader, 530
Shackleton International Aircraft Display announced, 77; guide to (illus), 540; BAUA forum and brief report, 598; equipment exhibits (photos), 669; illus report, 660; Sywell movements, 804
Shell-Mex & BP Ltd, light aviation fuel servicing (illus article), 439
Short Bros & Harland Ltd, glass-towel (photo), 266
————/HSA, VTOL conversion study contract, 498
————/Lockheed, F-104G VTOL derivative for NATO, 116
————, London office move, 310
————, long service members reunion (photo), 992
————, Musgrave, Sir Cyril, appointed to Board of Directors, 721
————, new technical sales team (photo), 847
————, steel evaluation, 229
————, the future of, 958
— Belfast, Butler, R. A., visits production line (photos), 462
——, centre fuselage section (photo), 596
— Skyvan, Australiasian sales tour, 542
——, TAA order reported, 315
Show business flying (illus feature), 255
Shrike, name given by US Navy to anti-radar missile, 912
Siebe Gorman & Co Ltd/RAE pressure suit, details and photos, 148
Signwriting, new American system (photo), 406
Sikorsky, Beighle, Jackson E., appointed European representative, 266
—, Gustafson, E. E., appointment, 406
— HSS-2, Japan to purchase, 884
—, output statistics, 310
—/Westland agreement, 16th year of, 462
— HU2S-1G for US Coast Guard (photo), 233
— S-61, USAF order, 462
— S-64, due to make first flight, 884
— S-65, artist's impression, 120
Silver City Airways, BUA takes over, 158; Leader 153
————/Channel Air Bridge, Speculation on reorganization, 705; further details, 888

———, DC-3 conducts calibration checks at Salzburg, 277
———, Gatwick to be used, 428
———, Glasgow-Le Touquet service, 162
———, Mekie, Eoin C., resigns, 239
———, Viscount interior (photo), 966
Simmons, A. G. (author), 619
Sipa Antilope (artist's impression), 215
600 (City of London) Sqn Flying Club, breakfast patrol announced, 631; further details, 691
Skybike man-powered aircraft (photo), 486
Skybolt, Air Minister presented with model (photo), 155; visits production line (photo), 223
—, British representative appointed, 263
—, Douglas representative visits Woodford (photo), 912
—, first live firing (photo), 714
—, first RAF class graduates on course, 873
—, joint trials force, 104; further details, 264
—, MoA statement on cost, 305
—, US statement on, 185
Skylark, experimental payload to be launched, 185
Skyways, application for hovercraft services to ATLB withdrawn, 816
—, Avro 748 on first scheduled flight, 644
—, BOAC freight contract expires, 930
—, scheduled IT services application, 274
—, Stephens, H. R. O., appointment (photo), 33
Slick Airways, CL-44D-4 (photo), 118; more ordered, 850; possible purchase of cargo jets, 886
Slingsby Skylark 4 (photo), 680
—T.49, illus desc (cutaway drg), 868
Slush, comment on Bomber Command views (S & L), 174
—hazards (Leader), 37; *Flight Safety Focus* comment on freezing-on-fuselage danger, 121; safety techniques, 644
Smiths Aviation Division, airborne digital computer, 189
———, automatic landing system progress (illus), 292; for evaluation in Caravelles, 811; further progress report, 919
———, autopilot sales, 149
———, Cheltenham super-clean area (photo), 496
———, Motorola M-4 autopilot (photo), 669
———/— agreement, 633
———, team to visit Japan, Australia and New Zealand, 531
———, Worthington, F., appointment, 496
Smithsonian Institution, *The Sacred Cow* added to National Air Museum, 39
Societa Aerea Mediterranea, progress report (photo), 119
Societe Rateau, to sue Rolls-Royce, 846

SOCIETY OF BRITISH AIRCRAFT CONSTRUCTORS:
AICMA, becomes member of, 154
de Havilland Award, John, applications invited, 270
Farnborough Show details, 344
Statement on role of aircraft industry (Leader), 153
Society of Licensed Aircraft Engineers, reconstitution of, 464
Solartron Electronic Group Ltd, helicopter flight simulator, details and photo, 57
——, Stockholm show details, 880
—(Farnborough) Ltd formed, 230
South African Air Force re-equipment, 422
——Airways, Cubana Viscount purchased, 239; photo, 465; cost, 606
———DC-3 crash, 389
———, Rooibok Air Charters' challenge, 69
—London Electrical Co Ltd, clean-room for Smiths (photo), 496
Southampton Airport, customs facility, 506
—University man-powered aircraft, progress report, 865
Southend Airport, 1961 passenger statistics compared with 1960, 999
—Man Powered Aircraft Group, details of new two-seater, 865
Soviet Union and the ground-effect vehicle, 513; first details of air-cushion vehicle, 811
——, anti-ICBM progress, 185
——, —missile technique (illus article), 377
——, —submarine TU-16s operating from shore bases, 912
——, Blinder (photos), 77
——, communications control station (photo), 526
——, confirmation of tracking station in Australia, 954
——, cosmonaut training plans, 602
——, Cosmos 2 launched, 538; further details, 600
——, — 3 launched, 713
——, — 4 launched, 713; recovered from orbit, 750
——, — 5 launched, 883; details, 952
——, Earth satellite launched, no information released, 526
——, Finland orders armament from, 270
——, flying-boat record (August 7, 1961), further details, 38
——, Gagarin Flight Celebrated (photo), 667
——, — souvenir medal (photos), 371
——, "Global" missile, Krushchev's statement on, 447
——, lunar flight plans, 526
——, Mi-4 (photo), 3
——, Mi-6 to be used in agricultural role, 196
——, military aviation, *Red Star* article on, 105
——, Moscow, mōnorail to be built between airport and city, 74
——, new missile (photo), 750
——, rocket model contests, 751
——, scientific satellite launched, 447
——, space plans detailed, 65; manned lunar flight, preparations for, 140
——, — register forwarded to UN (table), 539
——, — rocket failures, quote from article on, 302
——, streetcar satellites, 222
——, supersonic airliner plans, 388
——, Titov to attend Cospar, 713; Titov speaks (photo), 749
——, UAR declines to comment on report of supply of missiles by, 450
——/United States, joint communique issued after space talks, 983
——/US, space co-operation, President Kennedy's proposals, 447; details of Russian and American proposals, 490; Leader, 461; talks begin, 528
——, Vostok, multi-seat version, 526
——, — 1 launch hitch revealed, 600
——, — 2 (photo), 749
Space, means of working in, investigations into (photo), 105
— research, Commons questions on staff engaged in, 372
— science, lecture series broadcast, 105
— technology, European symposium announced, 751
—, UN Committee on, first meeting, report, 7; continued, 62; Leader, 461; details of Russian and American proposals, 490; meeting opens, 528
—, US aims, Part 3 (illus), 63
Spacecraft Log, 5 (announcement), 9, 141, 259, 335, 451, 527, 839

SPECIAL ISSUES:
Aero Engines, June 28
Flight Systems Survey, February 22
Furnishing and Finishing, January 25
Hanover Show Guide, April 26; brief details, 636; report, 683
Private and Executive Flying, March 22
Royal Flying Corps Anniversary, May 17, 1962
VTOL Aircraft Survey, June 7
World Airlines Survey, April 12
Sperry Gyroscope Co Ltd, C.S.F. radio altimeter, agents for, details and photo, 109
————, Gyro Pilots for RN Herons, 102
————/International Aeradio, flight progress strip printer, details and photo, 56
————, SINS contract from Admiralty, 404
————, universal autopilot, details and photo, 34; further photos, 189
———of America, LASSO details, 459
Standard Telephones and Cables Ltd, new solid-state DME 100A demonstrated (photo), 955
————, radio system in LOT I1-18 (photo), 923
————, STAN. 7 ILS localizer, details and photo, 379
————, Scotice cable in service (map), 189
————, Vordac v Harco, 265
Starways, ATLB refuse Liverpool-Lagos licence, 85
—, — rejects Leeds and Newcastle applications, 543
—, domestic services due to start, 429
Stataltex firings, 372
Stockholm, Arlanda Airport opened, 544
—, British Exhibition, guide to, 799; visit by King Gustav (photo), 848; BEA stand (photo), 880; Princess Alexandra visit (photo), 920
Stroud, John (author), 455
Stuttgart Airport, runway lengthened (photo), 928
Süd-Aviation/BAC supersonic airliner project, Bristol Siddeley statement on engine for, 114; FD.2 to be used for research, 269; programme outlined, 318; agreement imminent, 348; MoA statement, 505
———, Alouette 3 certificated, 77
———, helicopter statistics, 766
———, Indian licence agreement report, 720; contract signed, 960
———Caravelle, Aerolineas Argentinas, first handed over, 162
———, IAC order reported, 429; further details, 606; delivery date announced, 708
———, IAT order, 429
———, Servicos Aereos Cruzeiro do Sul order announced, 998
———, TAP order, 124
———— 10A demonstrator (photo), 743; report of Far Eastern tour, 926
———— Horizon announced, 162
———Super Caravelle drawbacks, 603
—Gruppe/Fiat agreement, 114
Sudan Airways, Comet 4C order confirmed, 747
——Friendship, first delivered, 121; photos, 159
Sunair Electronics Inc, aerial coupler unit for HF radio, details and photos, 595
———, aerial load unit, details, 57
———, VHF radio, 149
Sunday Telegraph, The, African balloon flights begin, 38; forced landing alarm, 269
Supersonic airliner, Anglo-French programme for, brief details, 318; agreement imminent, 348; MoA statement, 505; Bristol Siddeley engine selected, report, 721
——, Halaby, N.E., statement on, 645
——, Super Caravelle, doubts cast on, 603
——, the case against (illus article), Pt 1, 507; Pt 2, 607
——, variable-geometry design for? (Leader), 533
— Transport Advisory Group, US, membership announced, 73
Sweden, runway tester, details, 109
Swedish Air Force, Saab 105, to sponsor (g.a.), 4
Swiss Air Force, Hunter F.6s (photo), 830
———, Vampire FB.6 (photo), 830
—American Aviation Corporation Learjet (photo), 40
Swissair, Brazil, re-negotiation of agreement with, 424
—, Caravelle landing incident, 708
—, Convair 990 Coronado delivery due, 72; General Dynamics agreement if aircraft not up to guarantee after modification, 203; in service, details and photo, 317; possible acquisition of Convair 880 by KLM, 645
—, Douglas piston aircraft disposal, 428
—, night jet flights denial, 930
—, 1961 profit, 506
—, Rolls-Royce engineers recruited, 748
—, two leased Convair 880 due to be returned to Convair, 774
Sylvania EFAS at Turin, 405
Syncom (photo), 491; detail photo, 910

T

TAP, Caravelle order, 124; effect on BEA, 202
—, DTA and DETA to be merged with, 606
—, Stephens, H. R. O., appointment, 708
—, Super Broussard interest, 429
—/UAT, details of proposed agreement, 82
TFX, Boeing/General Dynamics design (illus desc), 207; drg, 196; further details, 269
Tarom I1-18 (photo), 350
Tasman Empire Airways Ltd, Electra (photo), 388
————, jet decision expected, 278; Boeing decision denied, 470
Tassiah Avirit, emergency landing by Stratocruiser, 930
Taylor Woodrow Construction Ltd, hanger expansion process (photo), 761
——(Overseas) Ltd, Auckland Airport contract, 531
Teddington Aircraft Controls Ltd, Teddington Industrial Equipment Ltd gauging divisions transferred to, 58
Telemax-Southern Ltd, new company, details, 342
Telemechanics Ltd, D.I.A. Elektrotechnik, UK agents for equipment, 190
Telstar (photo), 491; steerable telescope (photo), 749; photo, 910
Terrier, Advanced, aboard USS *Luce* (photo), 372
Test programme, UK-US, with Comet and Hustler, 268
Thai Airways, first Convair 990 services announced, 748; co-operation with SAS, 930; Convair 990 (photo), 1002
Thomas Ltd, Martin, aluminium staging for VC10 (photo), 405
—, Sir Miles, Frank Beswick interviews (photo), 86
Thor Agena, third secret satellite launched by, 371
—, Secretary of State for Air's statement on, 223
Thorn Electrical Industries Ltd, Mehner, H. K. O., appointment, 718
————, VASI orders, 404
————, —, RAF adopts, 459
Thunderbird, Army's comment on, 221
Tiger Club annual dinner, 407
——fixture list, 98; further details, 181; wing-standing act, details and photo, 631; Panshanger display (photo), 691; illus article, 980
Tiros 4 successful, 258; Spacecraft Log, 259; further photos, 301
— 5, launched (photo), 1030
Titan, Martin-Marietta receive further contracts, 105
— 1, final R & D shot, 66
— 1, first operational complex (photo), 714; illus article, 950
— 1 successful launch (photo), 305
— 2, Dyna-Soar contract cancelled, 6
— 2 launched, details and photo, 492
Titanine Ltd, Modern Industrial Finishes Ltd acquired, 230
Titov, Herman (author), 801
Tod Ltd, W. & J., observation posts for MoA, details and photo, 58
Top-dressing in New Zealand (illus article), 620
Tradair, in the hands of a receiver, 274
—, IT applications to ATLB heard, 467; further details, 890
— Viking (photo), 353
—, Viscounts to be reintroduced into service, 998
Trans-Australia Airlines, jet order, speculations on, 274
————, Skyvan order reported, 315
——Canada Air Lines, annual report, 604; further details, 928
————, competitive considerations reviewed, 83
————, DC-8F order, 79

——————, fare war with CPAL, 744
——————, low fare experiment fails, increases requested, 352; further details, 429
——————, 1961 traffic figures, 84
——————, Vanguard landing accident at Antigua, 544
——————, vice-presidential appointments, 320
——European Airways, progress report (photo), 276
——International Airlines Inc, two DC-8s ordered, 1002

TRANS-WORLD AIRLINES:
/Air India agreement, 506
Atlantic bookings increase, 239
Boeing 727 order, 427
Caravelle order cancelled, 427
Doppler, plans for, 118
Hughes sues, 320
Los Angeles terminal building (photo), 349
New York International Airport terminal (photo), 850; photo, 887
/Pan Am talks about possible merger (table), 774; illus article, 962
35th anniversary of Lindberg's flight (photo), 926
Transair Sweden AB DC-6B crash (carrying Mr Hammarskjold), commission of enquiry announced, 85; opens, 122; report, 200; verdict, 232; further details, 272; UN completes own inquiry, results, 746
Transcontinental SA, Britannia suit, 930
Trees, Edward (author), 439
Trek Airways Constellation (photo), 391
——, illus article, 859
Trent, Gp Capt L. H., appointed an Aide-de-Camp to the Queen, 960
Trooping, cost of, details and table, 202
—, Estimates Committee on, cheaper to conduct trooping by air, report, 811
Tunis Air Caravelle 3 (photo), 351
Tupolev Tu-104A, details of new version, 469
—Tu-124A, brief details, 239
Turboméca (illus desc), 251
—Bastans for I.A.35, 421
—, Bristol Siddeley visited by, 536
Turbulence, MoA information circular issued on, 31
Turk Hava Yollari Friendship crash near Mount Medetsiz, 389
Tyler & Co Ltd, E. W., factory buildings for Aviation Traders, 380
Tyne Tees Air Charter Ltd, DC-3 (photo), 1001

U

UAT/TAP, details of proposed agreement, 82
UNESCO, international space symposium announced, 751
US/UK satellite, joint discussions at Goddard Space Flight Center (photo), 221; Westinghouse to build UK-2, 528; S-51 details and photos, 537; Leader, 597; illus desc, 611; launch delayed, 600; photo, 668; launched, 712; transmissions continue, 749; Spacecraft Log, 839; still functioning, 883; progress report, 952; electronic pack (photo), 954; electronic equipment for, 983
Ultra Electronics Ltd/Avco agreement, 405
————, Carvair, intercomm ordered for, 380
————, new S4A20 Sarah beacon (photo), 842
————, telecommunications division moved, 670
————, W.S. Electronics Ltd board, 110
United Air Lines, Boeing 720 incident, 744
————, —727 mock-ups inspected (photos), 319
———Caravelle at Prestwick (photo), 83
———DC-8, skid on landing (photo), 201
————, Dundas, R. K., appointed agent for DC-6 and DC-7 sale, 645
————, Herlihy, John A., death of, 321
————, 1961 profit, 544
————, president's statement on lower fares, 120
————, short-haul jet needed report, 645
———Viscount fleet repainted and refurbished, 239
————, —praised by, 385
————, world's biggest airline (tables), 469
—Aircraft Corp, Polaris equipment order placed by GEC New York, 66
—Arab Airlines, Boeing 707-320B order, 124
————, Comet non-stop London-Cairo service inaugurated, 85
————, —4C, possible further order, Super VC10 also considered (photo, Comet), 502
————, —, record flight to Cairo (photo), 534
————, DC-3 crash at Cairo, 816
————, illus article, 709
————, Syrian-owned DC-6B (photo), 745
————, 20th shareholder in International Aeradio Ltd, 930
———Viscount accident near Wadi Halfa, 506
——Republic, Soviet missile supply to, declines to comment, 450
—Data Control Inc, cockpit voice recorder, details and photo, 58; for FAA, 633
—Kingdom Air Traffic Service, Thompson, Air Cdre J. M., appointment, 227
—Libyan Airlines DC-3 (photo), 352; tenders invited for starting airline, 429
—Nations, space register forwarded by US, 493; resolution on registration, 528; second US list, 539; Soviet list forwarded (table), 539; US December 22 launch filed, 600
——, —Committee, first meeting, report, 7; continued, 62; Leader, 461; details of Russian and American proposals, 490; meeting opens, 528; report on meeting, 983; conflicting proposals from US and Soviet delegates, 983
—States, "aerospace" industry statistics, 269

UNITED STATES AIR FORCE:
Accident rate, Secretary's comments on, 234
Armed Forces Day at Wethersfield, 811; photos, 874
Atlas-boosted capsule containing monkey lost, 6
B-52H Okinawa-Spain non-stop flight, 77
Boeing KC-135, 500th delivered (photo), 270
—KC-135 (photo), 78
—KC-135 tanker refuelling operation (illus article), 169
—Vertol 107 chosen as support helicopter, 923
C-54, *The Sacred Cow* added to Smithsonian Institution, 39
Convair B-58 Hustler (photo feature), 52
F-104Gs bought, 922
F-110s at Bentwaters (illus feature), 974
Last B-52 delivered, 994
Lockheed U-2 accident statistics, 345
Mutual aid fighter selection, 463
Open days announced, 680
Oscar 2 orbited, 954
Phantom II order reported, 116
Puryear, Maj-Gen Romulus W., to command Third Air Force, 847
RB-66C crash at Chelveston, 234
Recent contracts, 66
Safety Congress (photo), 146
Satellite, second secret, launched, 6; third launched, 371; Leader, 381; further Leader, 419; further details, 538; fifth launched, 600; December 22 launch filed with UN, 600; anonymous, 6, 7, and 8 launched, 713; announcement by USAF, 713; ninth launched, 751; tenth launched, 873; two more launched, 883; seven military satellites in orbit, report, 983; two more launched, 983
Space pilots school formed, 713
Strategic Air Command, ICBM build-up, 412
Systems Command, self-mouœuvring suit (photo), 1030
Third Air Force changes in Britain, 463
Thor, total number purchased, 539
United States airline traffic, 1961, ATA report, 27
———airlines, CAB permits pooling of equipment, 321
———airlines' domestic-fare increase approved, details, 123
———, —no-show penalty approved, 118; reciprocal penalty for overbooking agreed, 348
———Army, Caribou, further order, 195
————, helicopters preferred to tilting control surfaces, 499
————Transportation Material Command, Chinook order, 116
———Atomic Energy Commission/NASA, nuclear rocket test site chosen, 336
———, budget presented, 114
———, communications satellites bill presented to Congress, 258
———Department of Defense, TFX contract award expected, 38
———/German space co-operation likely, 751
———, ICBM attack, statement on defence against, 382
———, light aircraft sales for 1961, 520
———, lunar programme, Saturn C-5 to be used, details and photos, 103
———, military space projects, details and photos, 301
———Navy, anti-radar missile named Shrike, 912
————, Neptune and Orion (photo), 112
————, Seasprite, further order, 680
———nuclear test programme, President's statement on, 412
———/Pakistan, first joint launching, 1030
———, private aircraft, compulsory radio, 180
———, research and development expenditure, 346
———Securities and Exchange Commission, profit of "aerospace" industry in 1961, 848
———/Soviet Union, joint communique issued after space talks, 983
———/————, space co-operation, President Kennedy's proposals, 447; details of Russian and American proposals, 490; Leader, 461; talks begin, 528
———, space aims, Part 3 (illus), 63
———, —register forwarded to UN, 493; UN resolution on registration, 528; second US list, 539
———, supplemental carriers, CAB to seek strengthening of pending legislation, 272
———Strike Command, first overseas airlift, 77
———Supersonic Transport Advisory Group, membership announced, 73
—Technology Corporation, ablative thrust chamber contract awarded by NASA (photo), 263
————, motor test fired (photo), 412
————, selected to develop solid rocket motor, 873
————, TVC method (drg), 602

UNIVERSITY AIR SQUADRONS:
Amery, Julian, statement on, 982
Bristol, annual dinner announced, 418
Glasgow, annual dinner, report, 754
—, Bolton, Wg Cdr I. D., appointment, 60
—, Scone Trophy regained, 808
Hull, 21st anniversary dinner, 309; awards presented at, 338; Reid Trophy won, 944
Nottingham, new CO, 591
Oxford, annual dinner, 453
Utmost Sale, The (illus article), Part 1, 357; Part 2, 392

V

Vactric Control Equipment Ltd, move to Morden, 460
Variable-geometry aircraft, Minister of Aviation's statement on, 462; Leader, 533
Varig, Convair 240 sale to Aviaco, 239
—, progress report, 71
Veeder-Root Ltd, Dundee expansion, 634
Vega launch, 66
Vertol Division of Boeing (see under Boeing)
Vibration, symposium on announced, 40
Vickers-Armstrongs (Aircraft) Ltd, board changes 35
————(—)——, Earl Mountbatten visit (photo), 766
————(—)——, prizegiving (photo), 191
—VC10, BOAC order reduced, 3; Sir Basil Smallpeice's comment in *Daily Mail*, 348; photo in BOAC colours, 423
———, BUA order, 424; specification details, 470
———, "first flight before the end of May" statement, 162
———interior (illus article), 129
———, Princess Margaret visits (photo), 678
———production progress, 71; photo, 194
———takes shape (photo feature), 240; rolled out (photos), 639; further details and photos, 646; illus desc (cutaway drg), 728; Leader, 719; engine runs carried out (photo), 814
—Super VC10, UAA possible order, 502
—Viscount, Communist China's order, radio equipment for, US objections to, 120; S & L, 174
———, Lufthansa's last delivered, 124
———828, All Nippon repeat order, 74
——Armstrongs (South Marston) VA-3 g.a., 155; design changes, details and photos, 500; on view, details and photo, 598; in BUA livery (photo), 642; R.F.D. equipment supplied, 880; photo in airline markings, 885
—Inc, miniature motorpump, 459
—Sperry Rand Ltd, aero hydraulic department announced, 58
Victa Air Tourer (photo), 306; photo and details, 804
Vigilant, Kuwait to purchase, report, 912
Vigors Aviation Ltd, distributors for King Radio Corp, 56; further details, 190
————, name changed to C.S.E. Aviation Ltd, 39
Vortec Products Co formed, 530

W

Waco Glider, Film Aviation Services rebuild (photo), 270
Waeco Ltd, chemical generators for Lightnings of 74 sqn, 807
Washington International Airport, probable name, "Dulles" referring only to terminal building, 203
Wassmer Bijave (photo), 180
Waveney Flying Group, rally announced, 760
Welch, Ann (author), 337, 866, 870
Welsh, Air Marshal Sir William L, death of, 39
West Ford project, second attempt announced, 602
—German Air Force DC-6B at Prestwick (photo), 269
————, Inspector visits UK, 590
————, Noratlas, further order, 233
————, Orpheus training unit for (photo), 3
————, pilot training, illus article, 938
—Germany, communication satellite ground station (artist's impression), 305
——, landing fees increased, 470
———, VJ-101 project, difficulties, 3
—Wales Gliding Association, annual dinner, 486
Westinghouse Electric Corp, UK-2 to be built by, 528
Westland Aircraft Ltd/Bristol, Fairey chairman urges rejection of joint offer for, 2; revised offer refused, 195; further details, 234; £5.7m offer refused, 345
————, Hislop, Dr. G. S., awarded Louis Breguet Trophy, 499
————, Hollis Williams, D. L., to retire, 535
————, 1961 report, 78
————, /Sikorsky agreement, 16th year of, 462
————, Winkworth, H. W. D., appointment, 923
—Group, Fitzwilliams, O. L. L., appointment (photo), 721
——, Hislop, Dr. G. S., appointment (photo), 721
—Belvedere (illus air test), 211
—P.531, RAN order, 146
—Rotodyne cancelled, 313; Leader, 343; company statement, 344; S & L, 363
—Wasp aboard HMS *Ashanti* (photo), 368

— Wessex 2, first flight (photo), 114
— Whirlwinds, in training from *Bulwark* (photo), 192
— Widgeon to operate ambulance service at Snetterton race meeting, 599
— (Saunders-Roe) Hovercraft, Services' Trials, 345
— (— — —), plan for Hovercraft aircraft carrier disclosed, 994
— (— — —) SR.N2 launched, 38; photo feature, 97; illus desc (cutaway drg), 475; photo, 996; demonstration trip (photo), 1000
— (— — —) SR.N3, work begins on, 194
Westpoint Aviation, London-Exeter service, 389
Westway Models Ltd, Caravelle model (photo), 596
White & Co Ltd, J. Samuel/Britten-Norman Ltd, Cushioncraft Ltd formed by, 114
Whittemore, A. J., death of, 346
— (Aeradio) Ltd, A. J., King Radio Corp distributors, 190
Whittle, Sir Frank, anniversary dinner announced, 536; Leader, 597; foundation stone laid for Patchway office building (photo), 599
Whitworth Gloster Aircraft Ltd, beryllium, AEA no longer to use, 156
— — — —, Blakelock, Leonard, leaves to join Avro, 496
— — — —, NATO contract, 538
— — — —, redundancies announced, 535
— — Argosy, Capitol Airlines to operate, report, 888
— — — 200, details (graph), 543
Wilcock, Gp Capt C. A. B., death of, 76
Williamson Manufacturing Co Ltd, Odle, J. E., appointed OBE (photo), 150
— — — —, overseas orders, 634
Wills, Philip (author), 519, 628
Wiltshire Flying Club, winter lectures, 25
— School of Flying, Jackaroo flying hours, 804
— — — —, Paragon (photo), 383
Women's Junior Air Corps, pilots' weekend held, 949
World Airways, Boeing 707s to be leased, 965
— —, two Boeing 707-320Cs ordered, 816
— Meteorological Organization, joint Soviet/US satellite plan accepted by, 1030
— Parachuting Championships, New Zealand prepares (photos), 831
Wynn, Humphrey (author), 100, 165, 247, 397, 938

Y

Yachting World, Fitting-out Number announced, 346
Yeadon, MoA re:ect development plan, 347; committee recommends go-ahead, 429
York, international airport proposal, 426
Young, Eoin S. (author), 126
Yoxall, John (author), RFC and RAF experiences (illus article), 776; Upavon report (photos), 968

Z

Zenith Radio Corp, fuze to be made for LAW rocket grenade, 223

Printed in England by Cornwall Press Ltd., Paris Garden, London, S.E.1. N3314